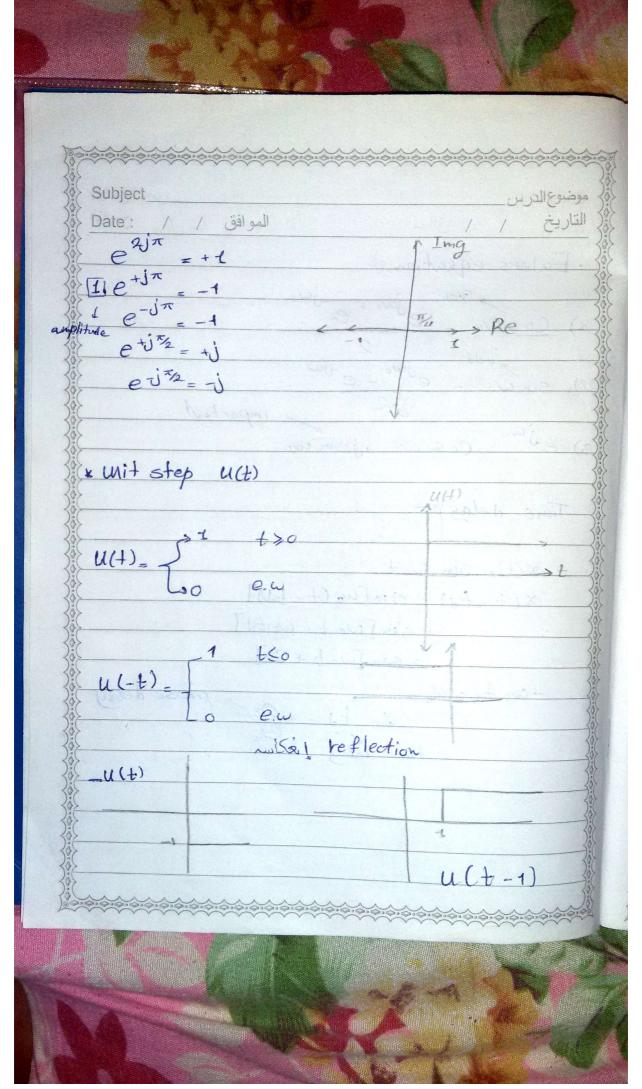
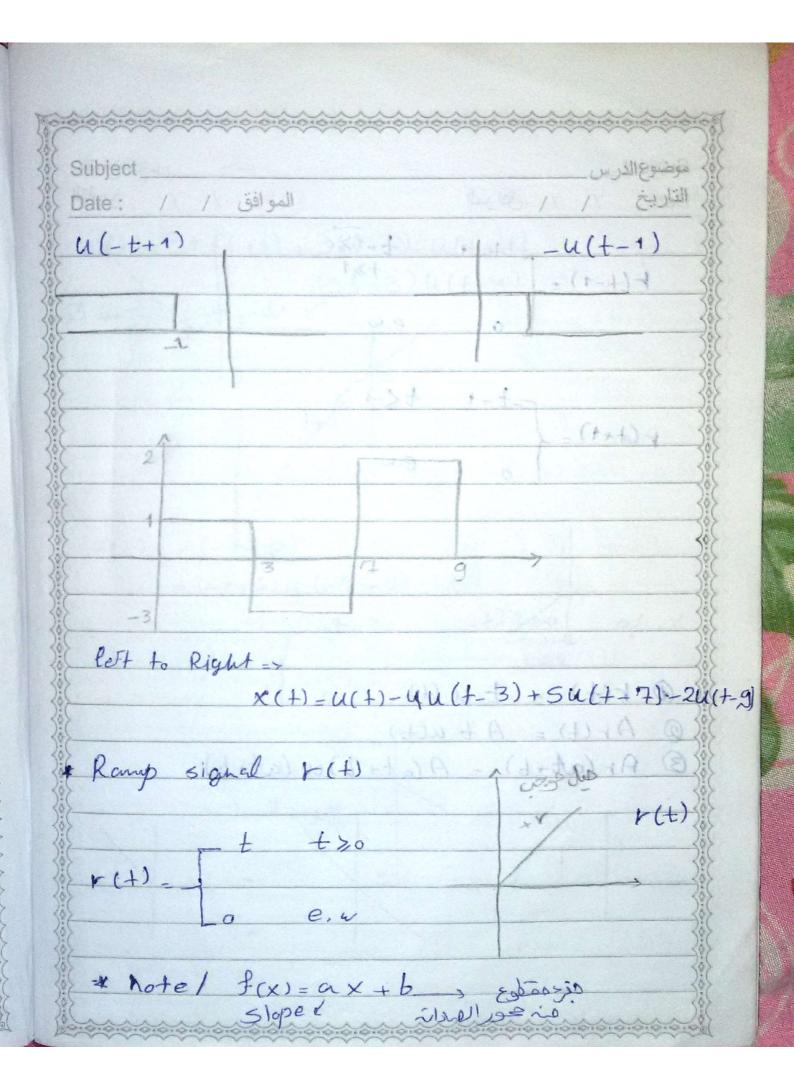
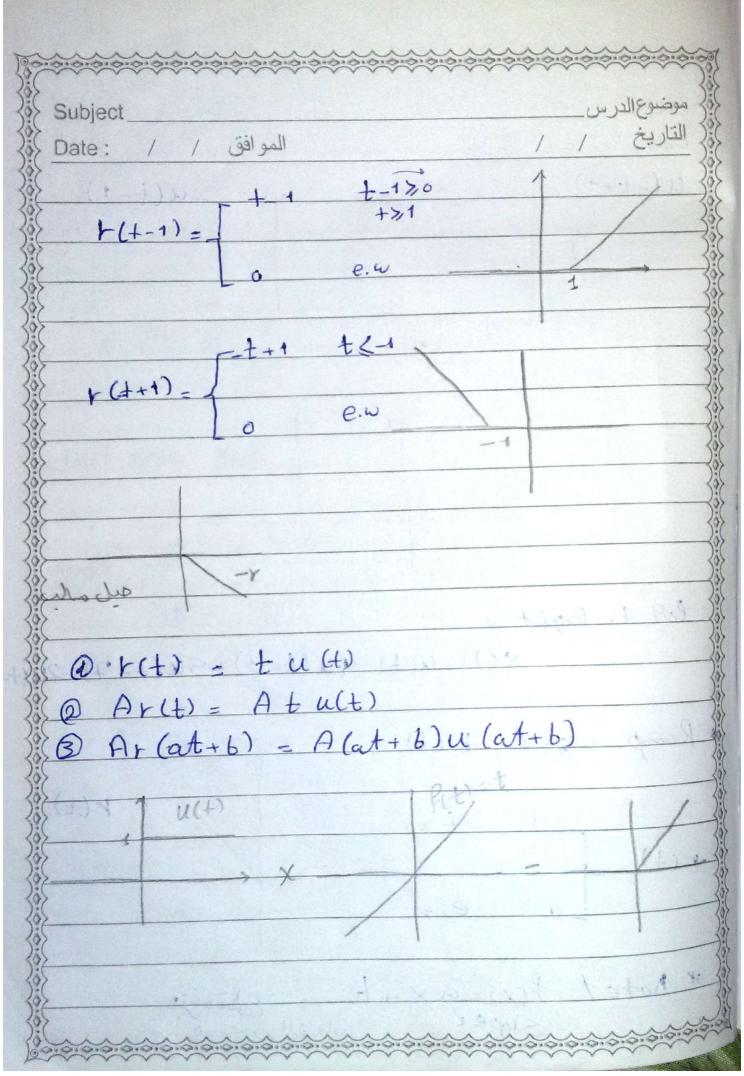
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Eulers equation &-	The state of the s
1) Casula e Jwo + e	7-2-911
1) 00340 =	1- 5 5 t
2 add	1-243
2) Sin Wo = e - e - jw	6-200
J2 - iv	mportant
3) ejwo = cos wo +jsin wo	
	k unit step uch
Time delay :-	
Hime delity	\~.
x(t) = Sin Wo't	(4)11
X(t-td) = Sin[wo (t-td)	1 00
= sin [woto	
= Sin [wot + 00]	/ / / /
- cro 7d = 00	, phase delay
o td = -Po	
time delay	<
	(4)11_3
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0 Finat		موضوع الدر س
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Eulers equat	ion e-	J+= 9
Even	- jwo	1-5 000
V Cachil	e Just e	1-6-9-1
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	juo-e-ju	Si in a
2) Sin Wo = @	-	1 1
,	JZ in	portant
3) ejwo = cos	we tish wo	
		white step all
- 11		1
Time delay :-		
	364	(4)11
x(+) = Sin 4		
x(t-ta)=	Sin[wo (t- tas]	06
=	sin [wo t- wotd]
	Sin [wot + 00]	1
- cro td = 0		phase delay
- WO 7d = VO	00 td = - 00-	phase delay
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4)	me delay	(4) 11
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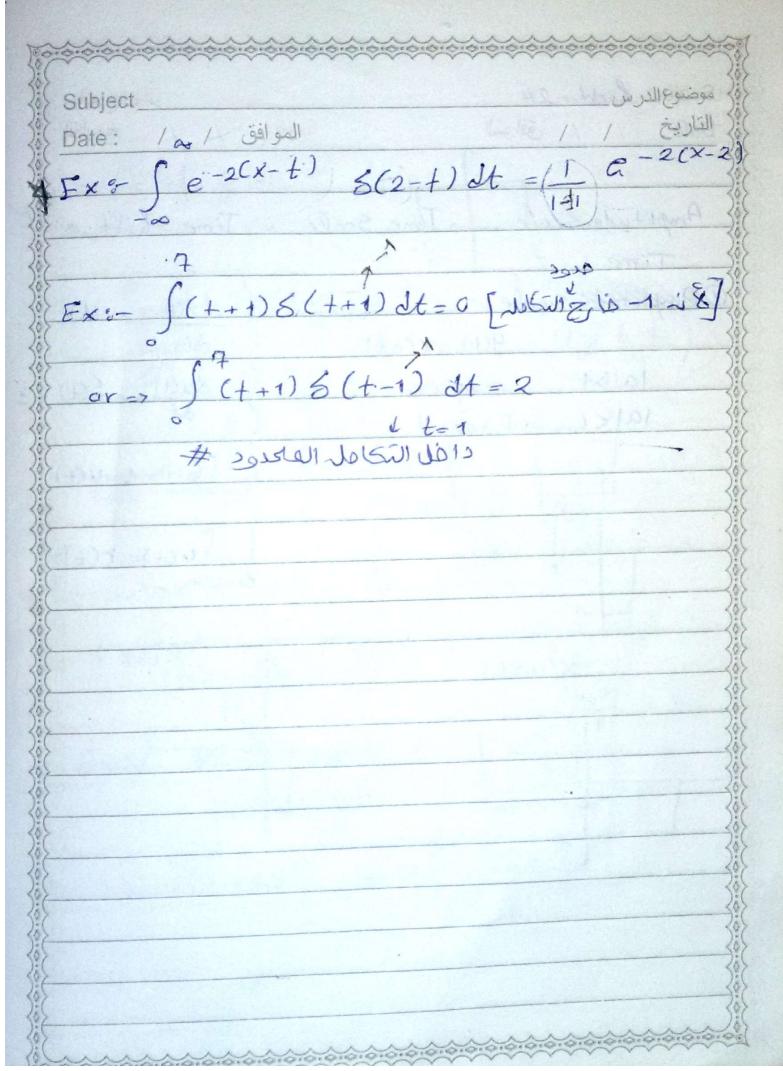


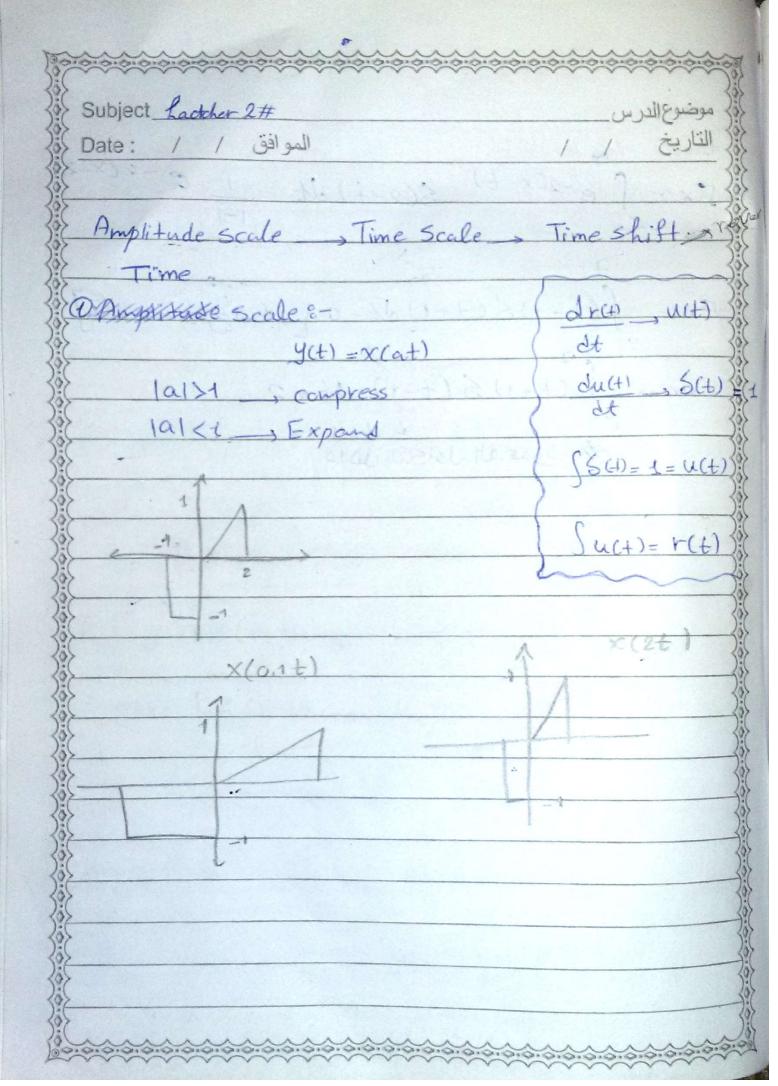


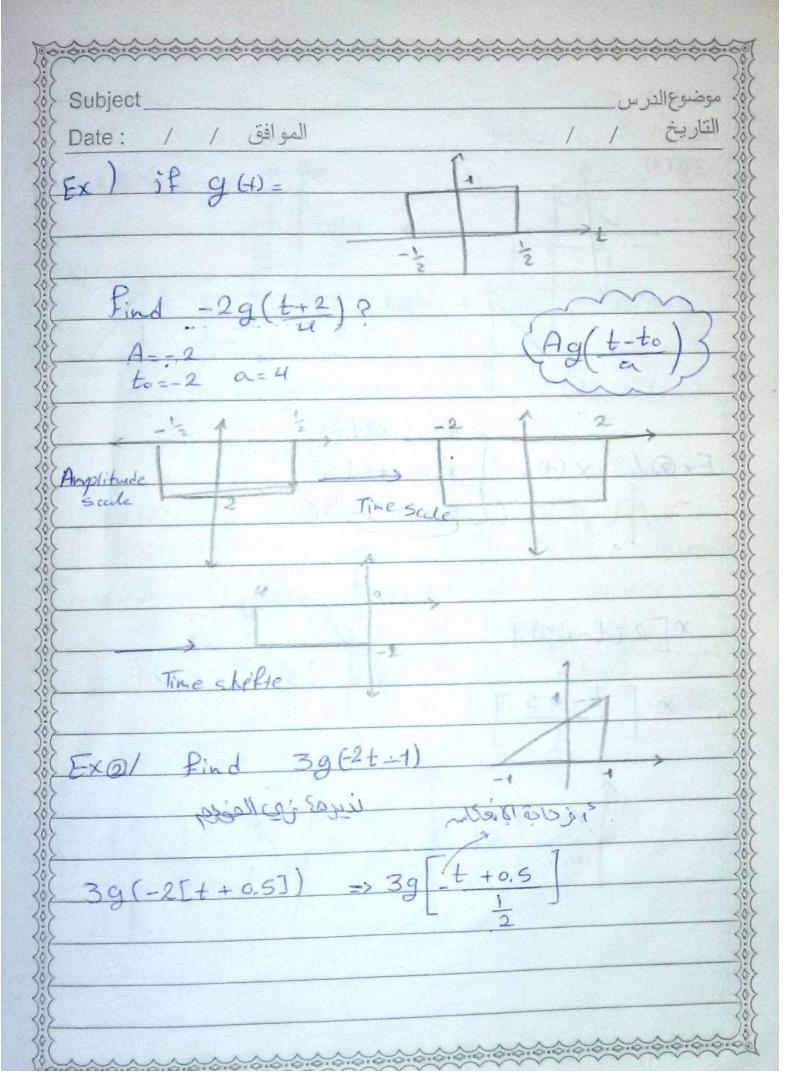
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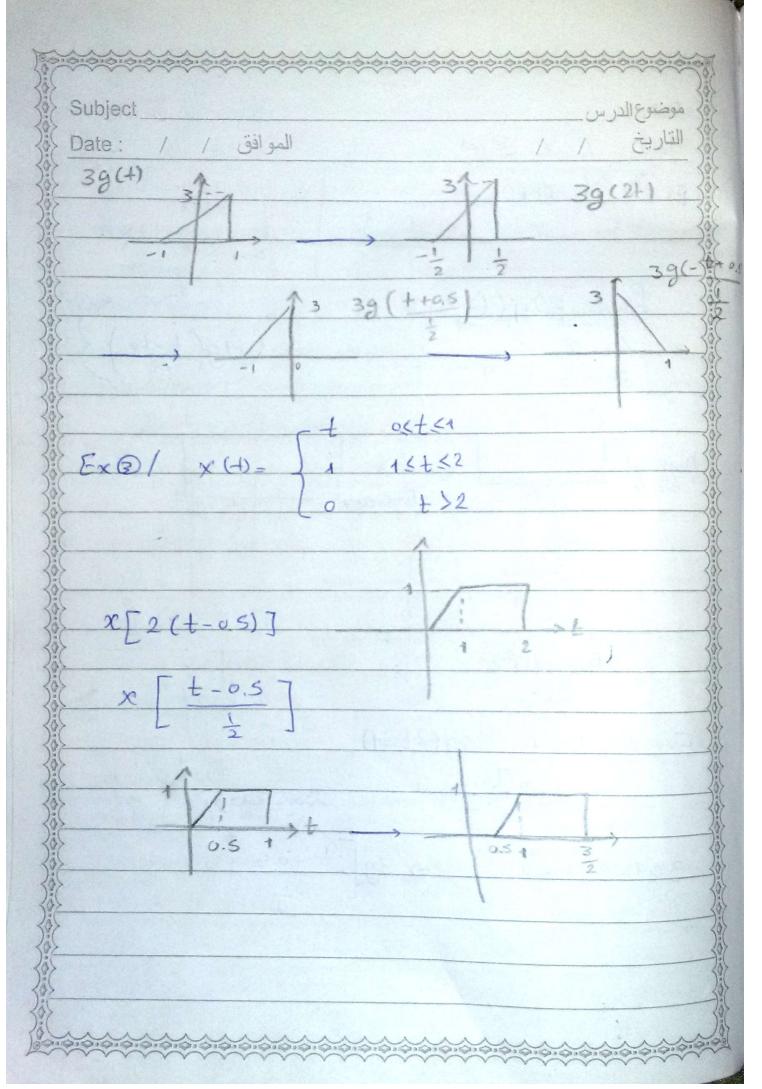
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x(+)=3r(+	+1)=3(++1)=u(++1)	* Impulse
) u(++1)	
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the same of the sa	1 of	ELATERS !	
	/3		
	const.	1.046.00	
	4-47861	17p = (++	@gt) A 6
		- 20	
x(t)=r(-t-	+2)=(1)	6 (8 + 6 1) 6	Ex: 6
= (-++	2) 4 (-+2) c - 2 + 8 (+ (•
>	-+2	-t+2>c	
r(-t+2) =	1	Dy () - t%	
·	Lo	e.w	on on-
	100	(42)005	Exe) i
· Jeal	ido)		5
	Tes of		>
		2	
	(d-ta)	- [(a) ad	@ 8[a(
			÷ ,
(10)	16 - 10	H 66+6)	00) SC
			Let
	0.0.0.0.0.0.0.0		

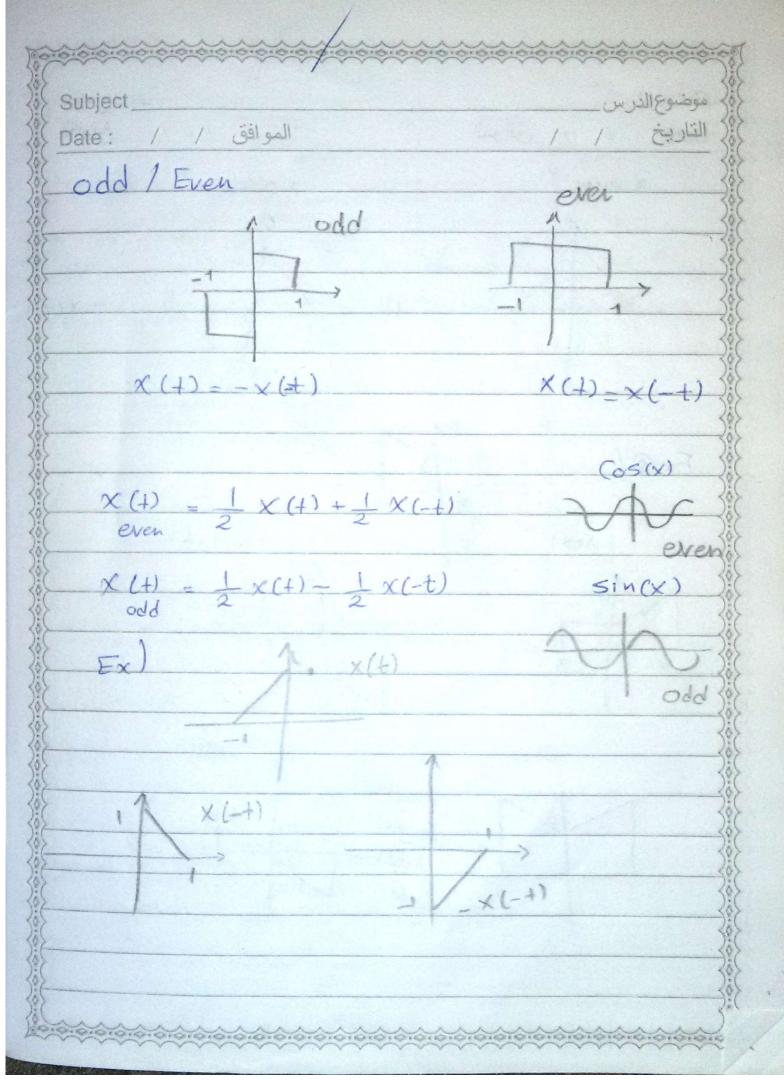
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* Impulse	function	S(t)	(444)42	54)
	(A)	1 (t = 0)	1	9
S(t).			1	1545-3
	Lo	e.w	1	
@ git) A &	(t-to) = 6	g (40) A S (t-to))
	0 13 0	/		
Ex s-		6(4)= 38		5(1)
	0 e 8	(t) = 6(t)	THE STATE OF THE S	
00000	1011	(4.)		
@ J g(+)	8(t-to)=g	(60)	×	- 1 - 1 X
F (8 (+-2) co	- (xt)14		
F×5-)	0 (+-2) (0	s (a) or		- to
	cost	(T2) = Cos.	π	4
	= (0= (-d J- cos.	2	13
6 (5.	(t-+)7-	1 < (++	-)	1 4
& oru	(t-to)]-	a		
@ (°¢	(+) 56t+1	41 (4	1 26-6)
	(1-0-11	= = -	- 5 (-	-

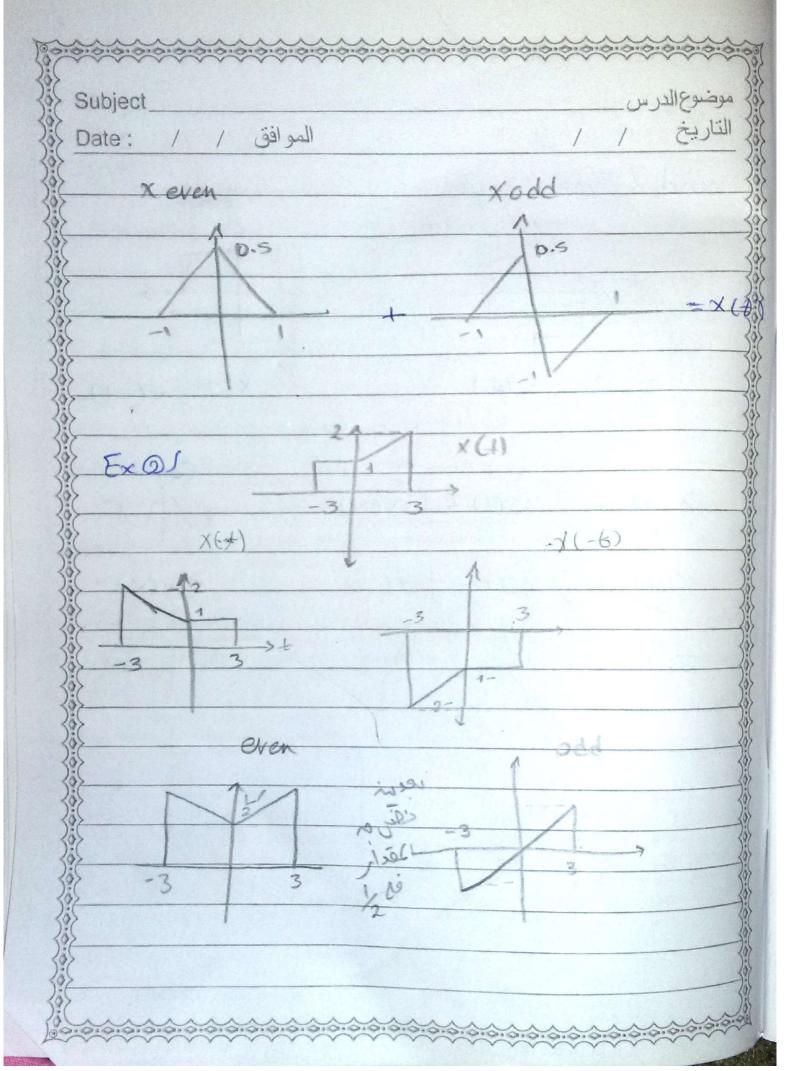


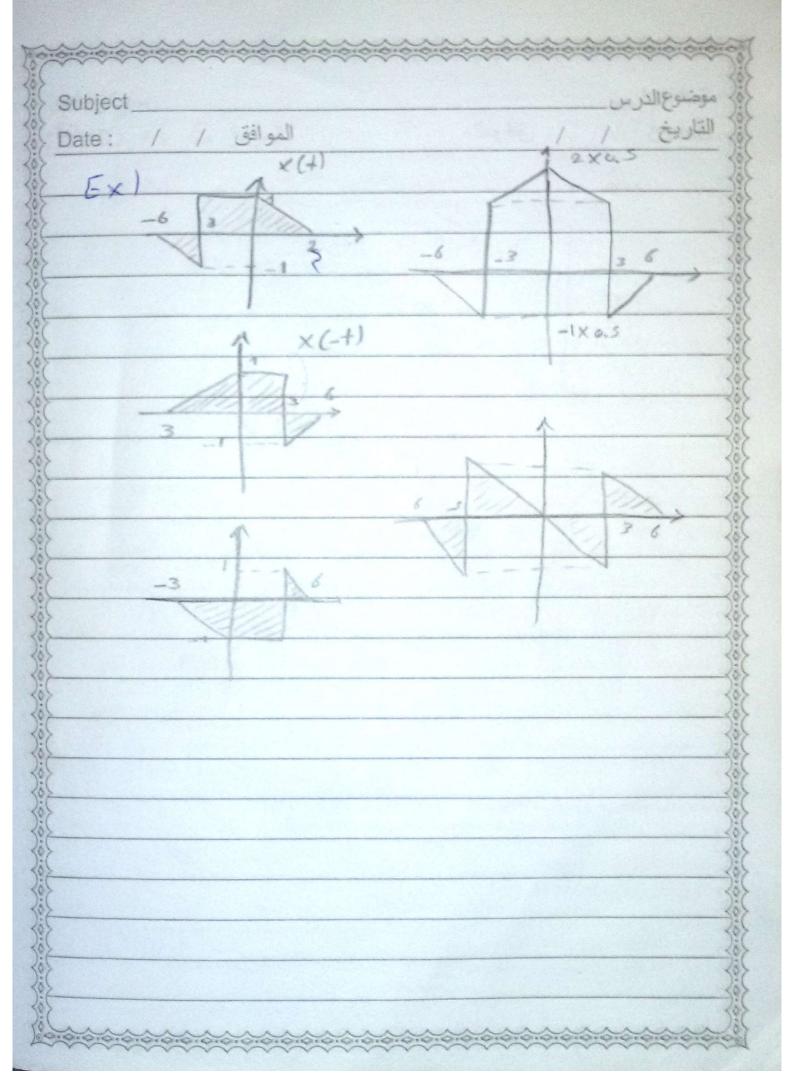


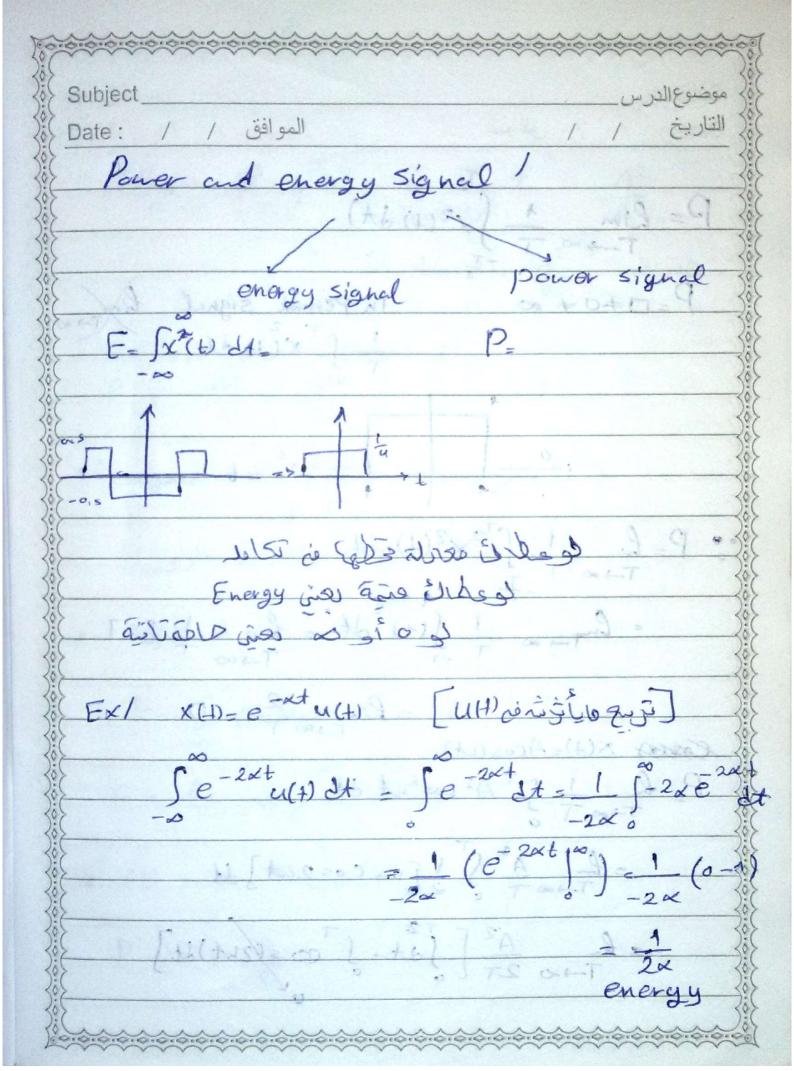


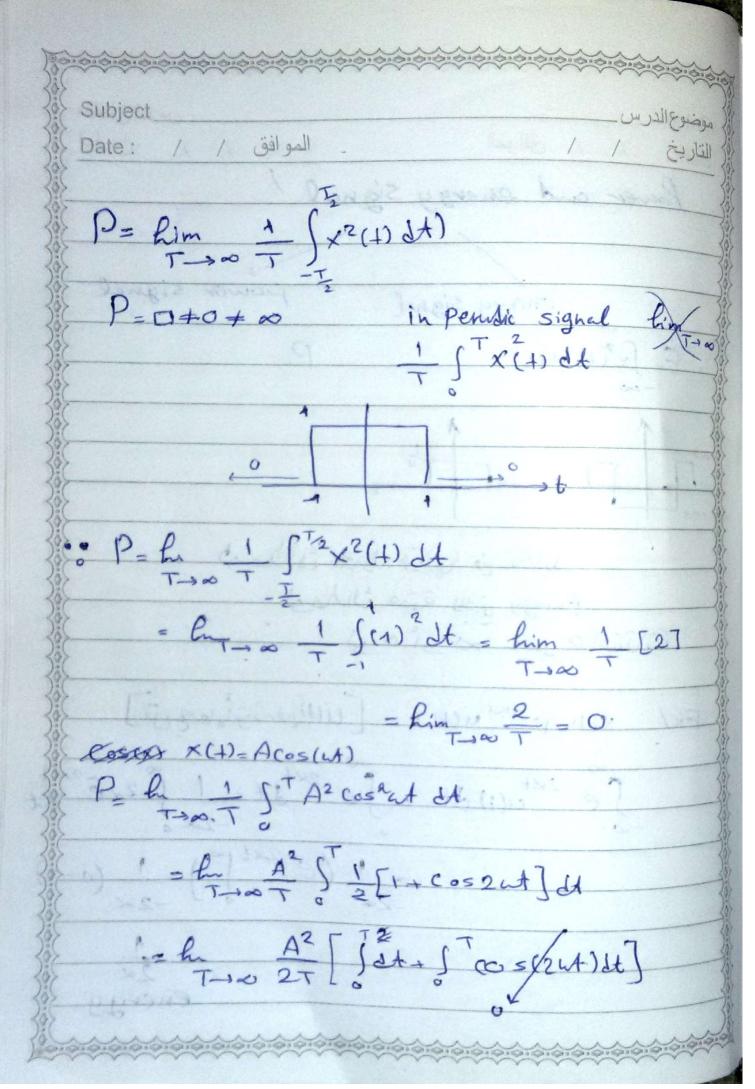


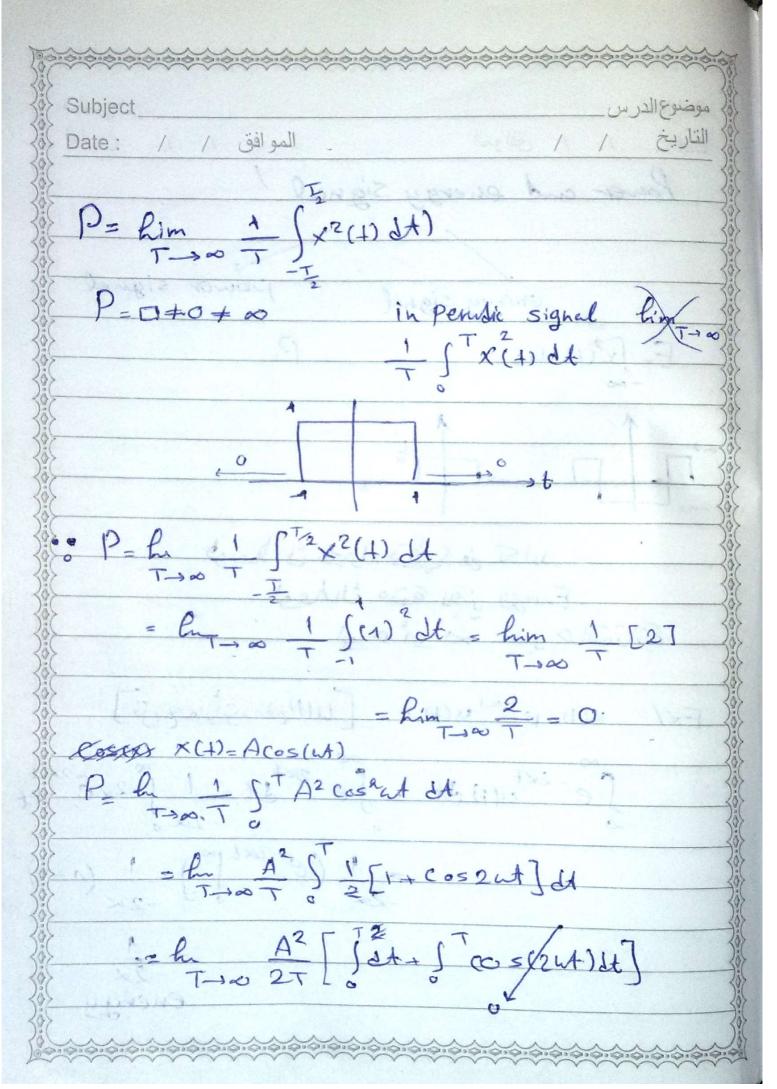




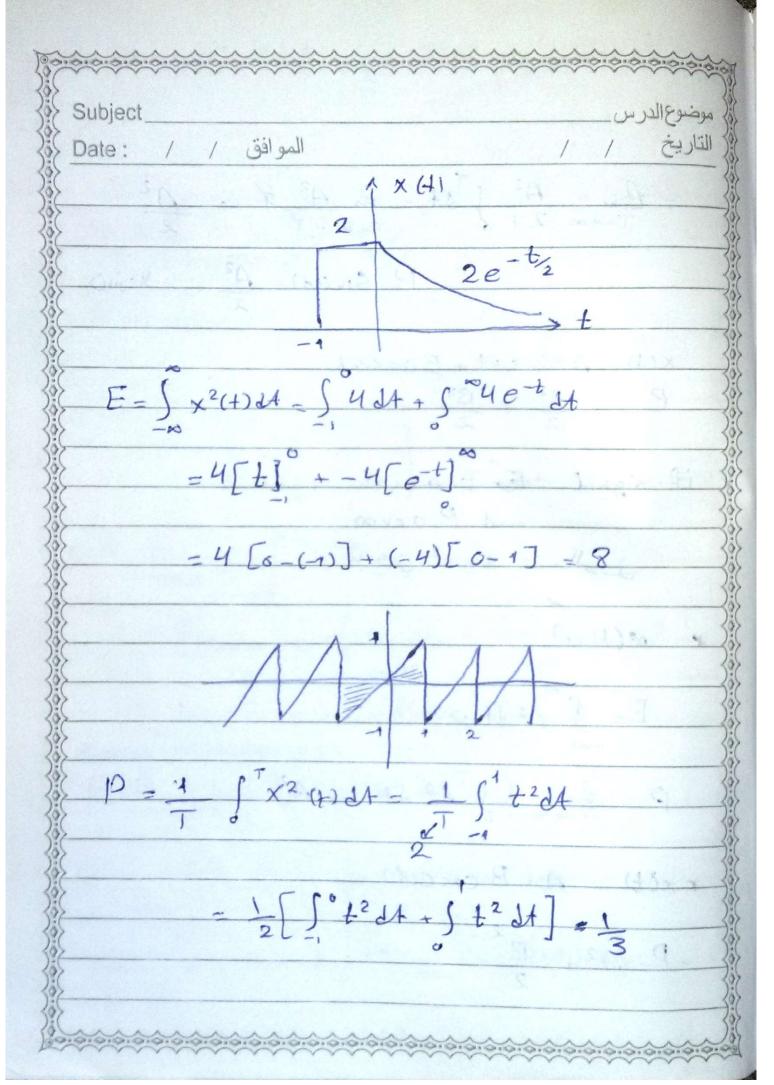




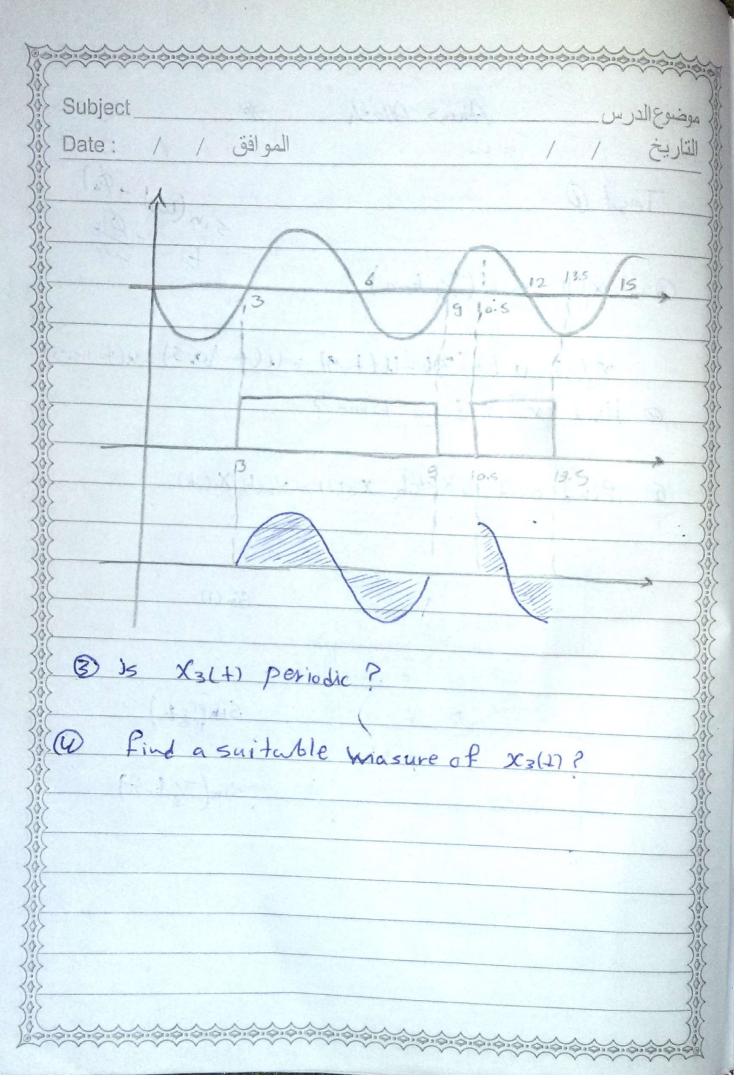




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Subject	ۇ) موضوع الدر س
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• (A2 30
$=\lim_{T\to\infty}\frac{A^2}{2T}\int_{-\infty}^{\infty}M=\lim_{T\to\infty}\frac{A^2}{2T}$	2
P Sincual = A2	JI CUD
2	
X(+) = A sin cot + B cos evat	30
) }	30
$P = \frac{A^2}{2} + \frac{13^2}{2}$	30
	30
if signal Ex E-0000	Zo.
and P=0 or oo	200
Lein Signel (is)	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
-/11	30
$(x \otimes (+) = f)$	30
E C 23/1/ = 2	30
E= S A2 dt= 00.	30
T_{1}	· 0
P= h 15 TA2 St => A2	\$0
	30
* x(t) = A + B coscut)	\$
1 = 11623 (+63)	\$0
$P = A^2 + \frac{B^2}{2}$	Śō.
~	36
Carana and an annument	manne !

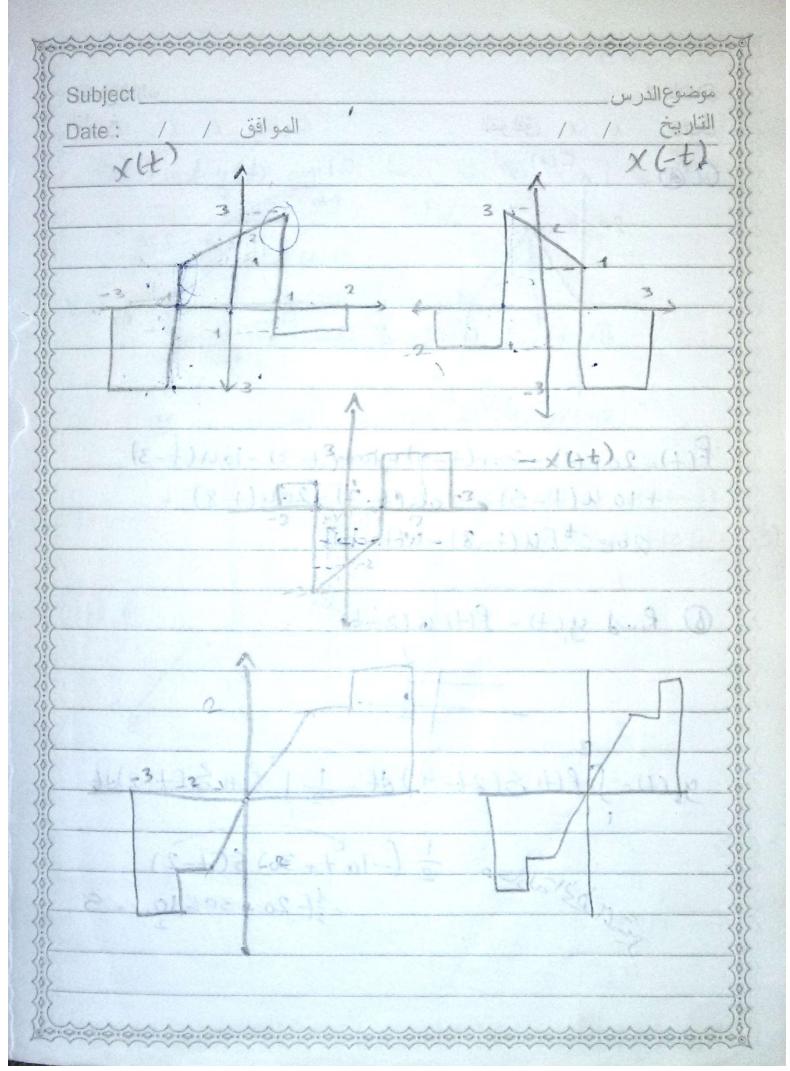


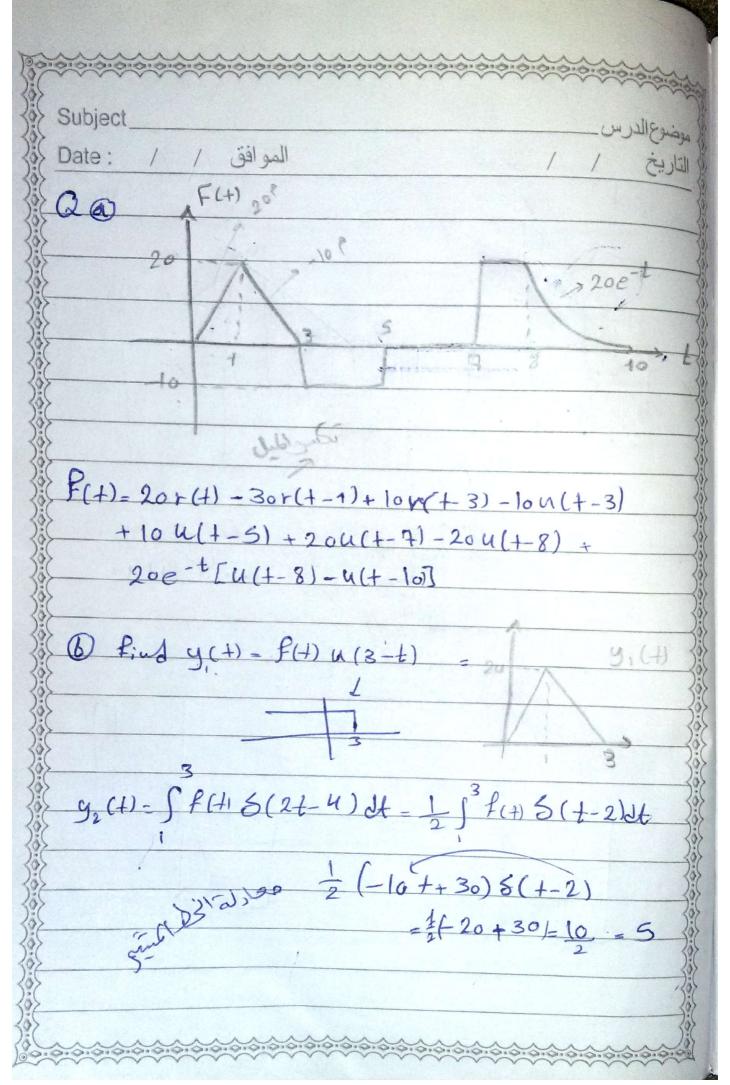
Subject	Anns Allash	موضوع الدرس
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Test @		5'in (wot - \$1) td = wo
		Sin (was de
Q. X(H) -	Sin (7/3 t-x)	td= wo
<u> </u>	314 (73	- Nama
20 (4)	11 (+ 36-11(+ 9)	+ u(+-10,5) -u(+-13,5
	it) delay time?	
to Find X	it) dely time !	
6 P. I	1 - Katal	45 V 4 13
of find an	1 skotch X3(+)	$=\chi_2(+)\chi_1(+)$
1	7	
	SINCE	
	27	Sin(t)
-	7/2	t
	1100	ASA (F)EX St (SI
1	5 3 45	Sin(3+)
(4)=)	C A STORAGE M	Material Section (9)
	1 6 71	Sin(" 1 t- 17)

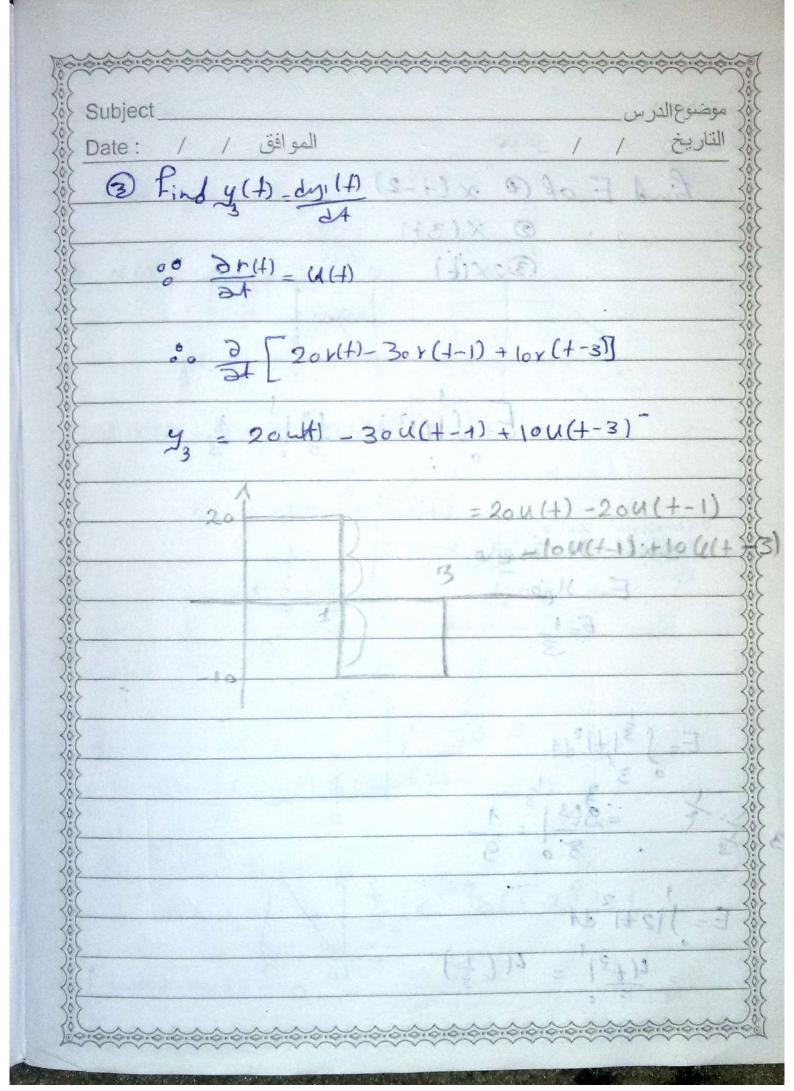


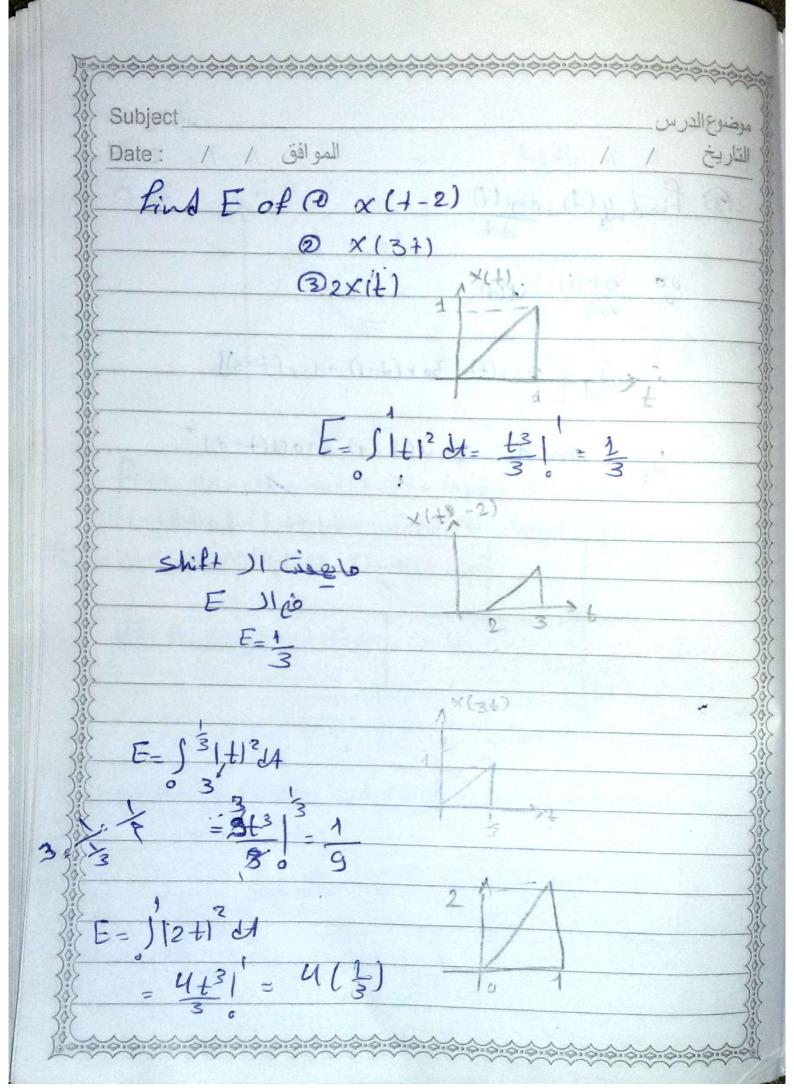
Subject. Date: / / | Date: @ Not periodic E= SISIN(= += \pi) | 2+ + | ISIN(= + \pi) | de

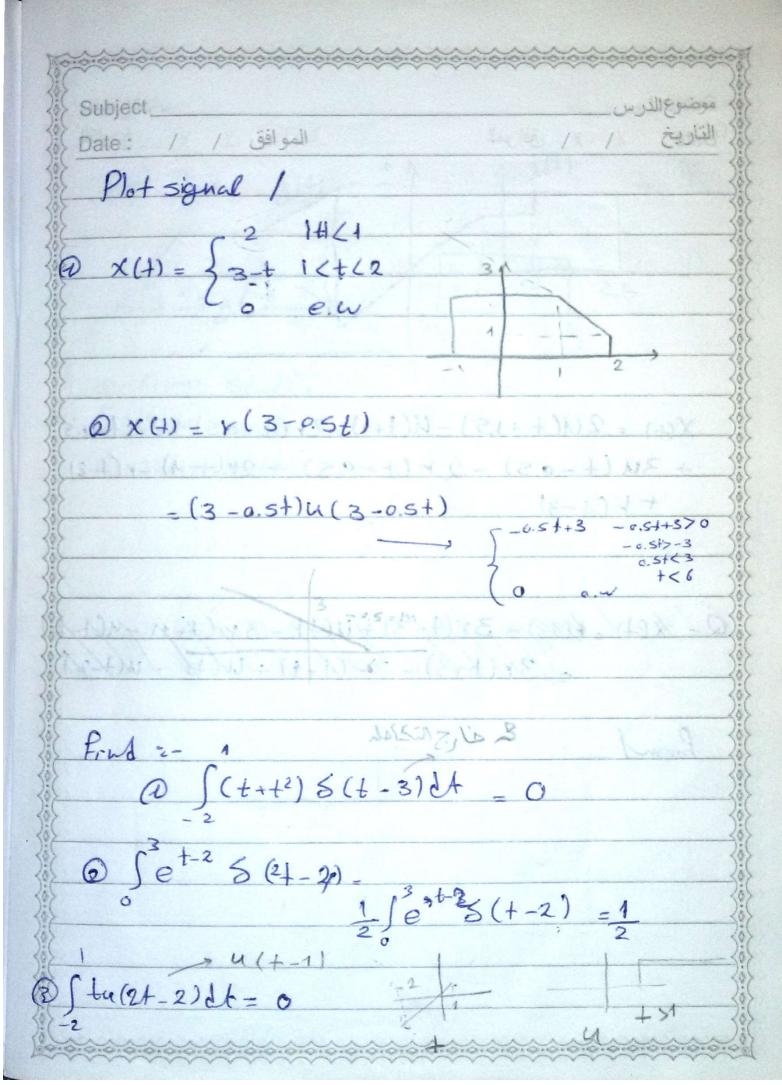
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Date: /		/ /	
Q2 @	Pind odd/Even pu	vts of gi	ver X(4)
	Even part = $\frac{1}{2} [x]$	(t) + x(-t)	
	odd part = 1 Ex	H1-X(-t)]	
- 0		20	. (6)
[b] P	nde-		
			1 .
] [U(+-6) -u	(+-10) sin 37	t) S(t-
		· ·	
	sin (371 t) S(+-5)	t =0	
6	4)	Toler hall	
Notes	أُجِنَاء الْمُلكة الطيول لِحَمِع	61.)	
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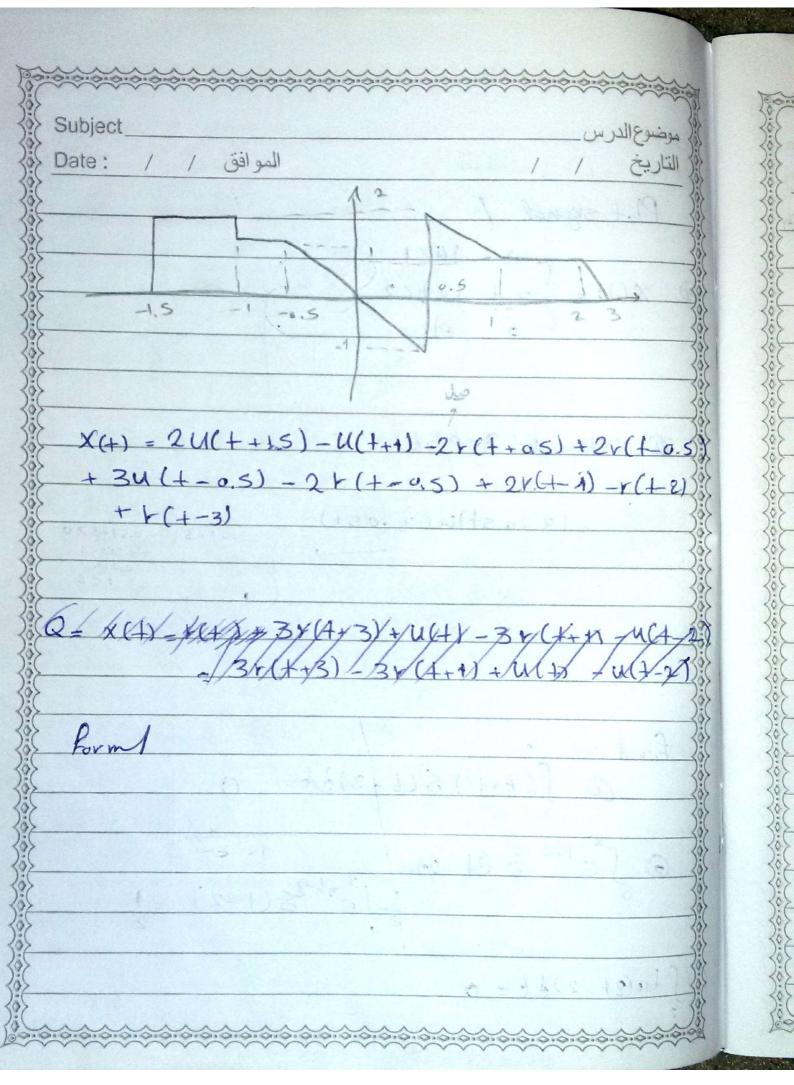


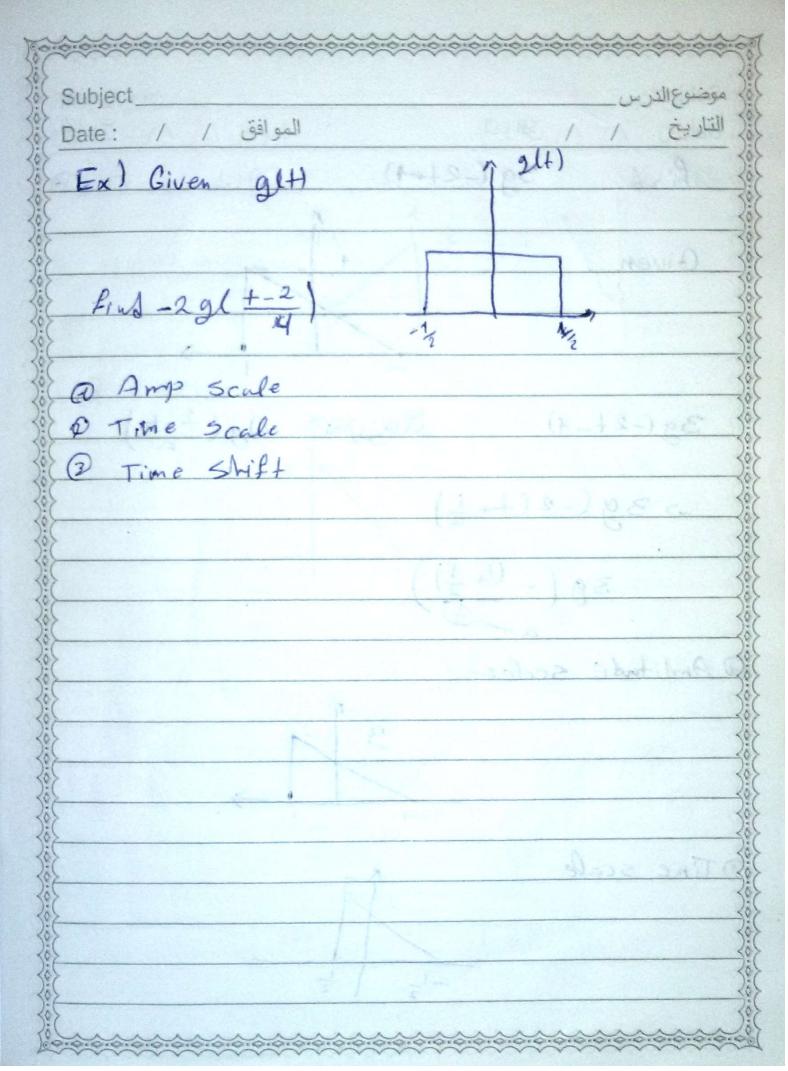


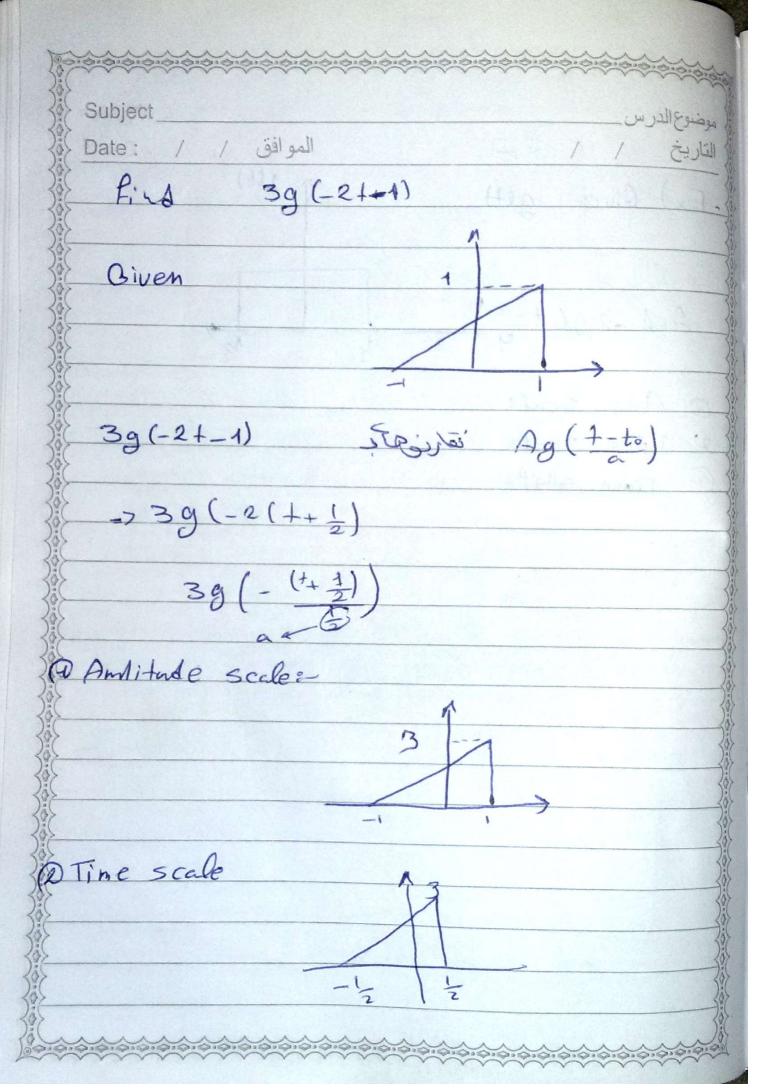


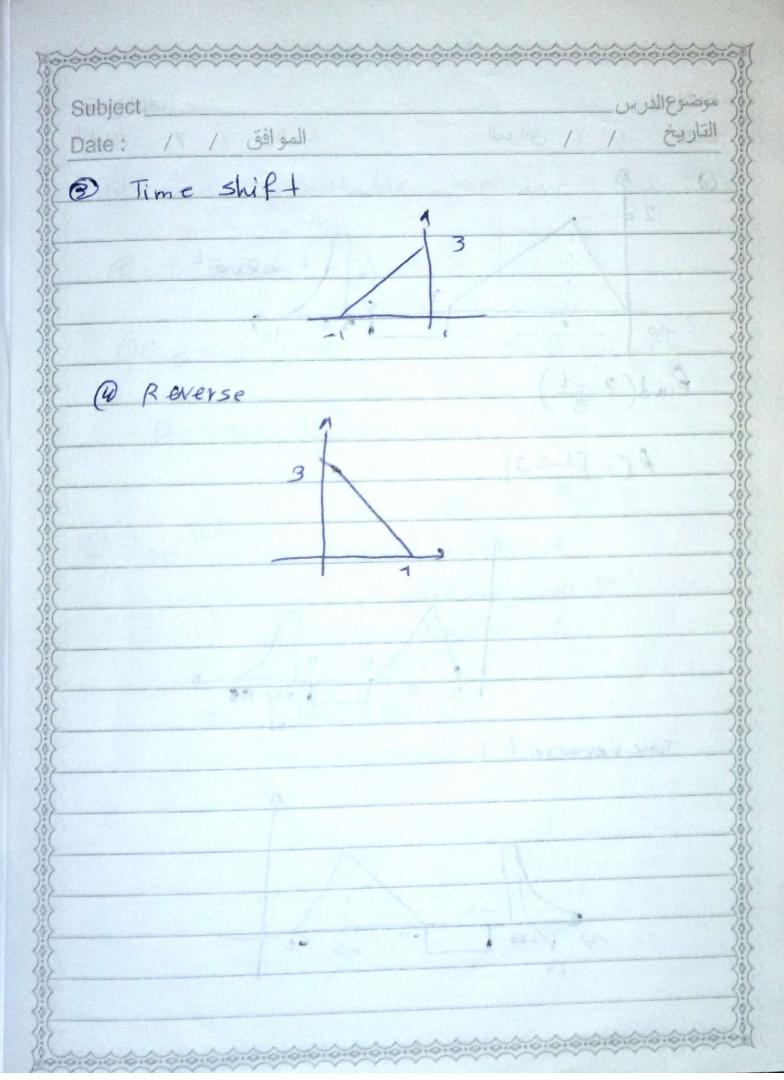


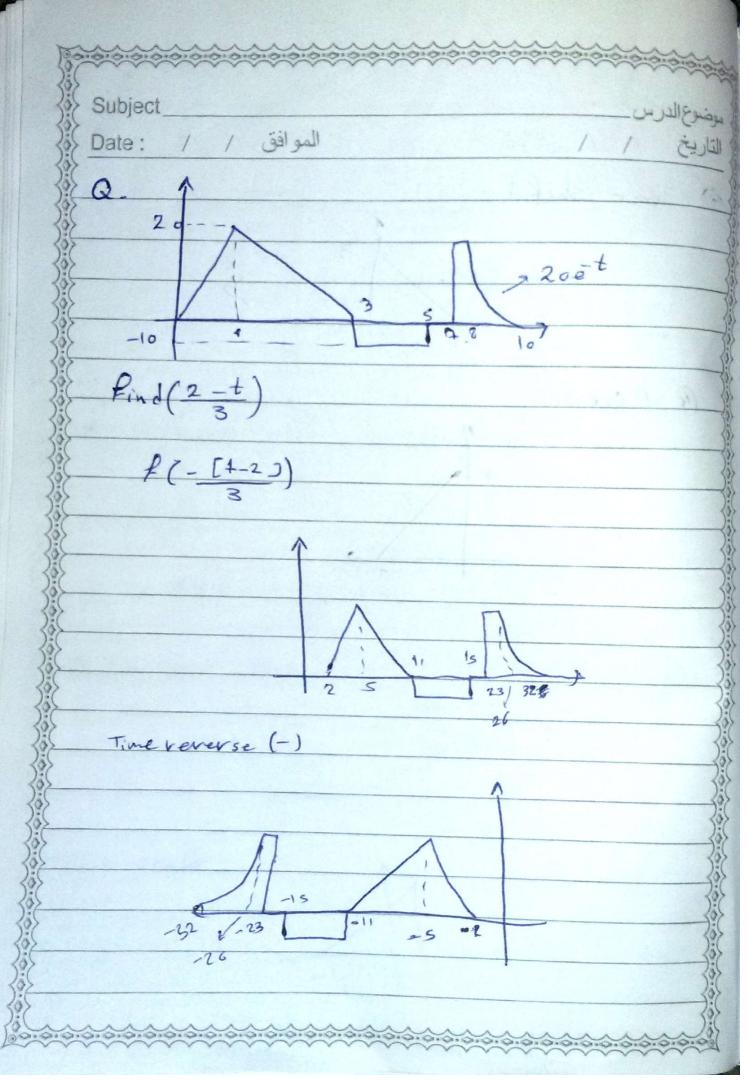








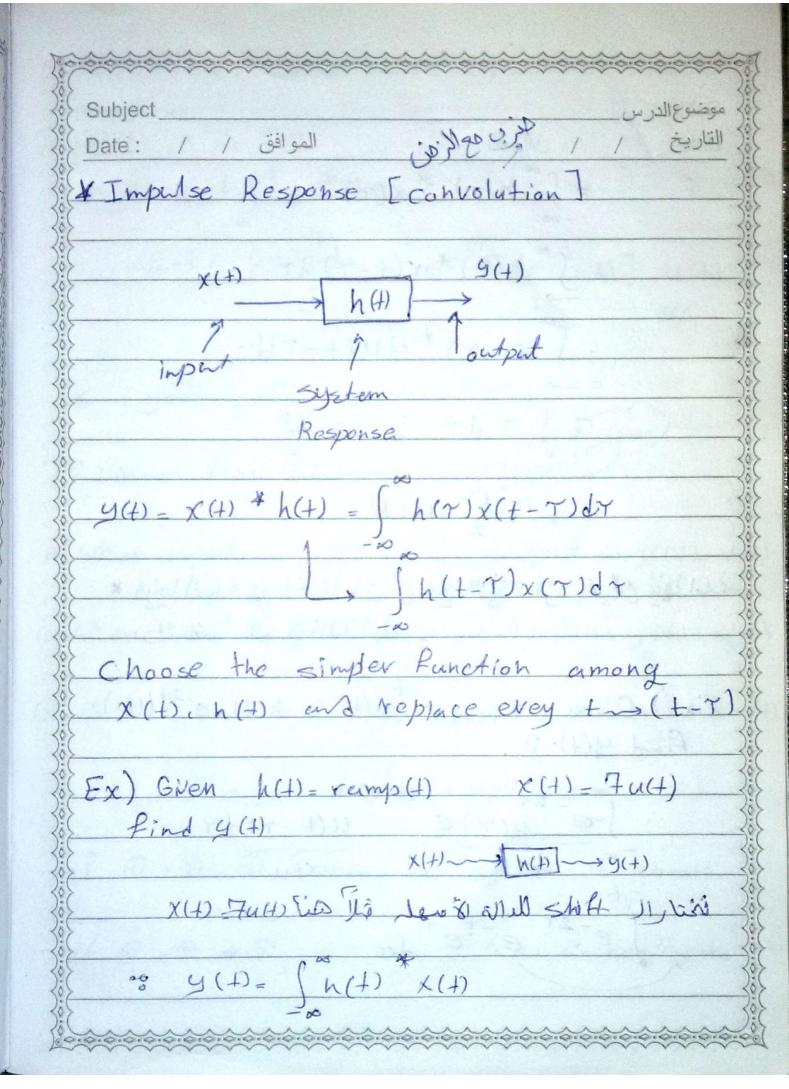


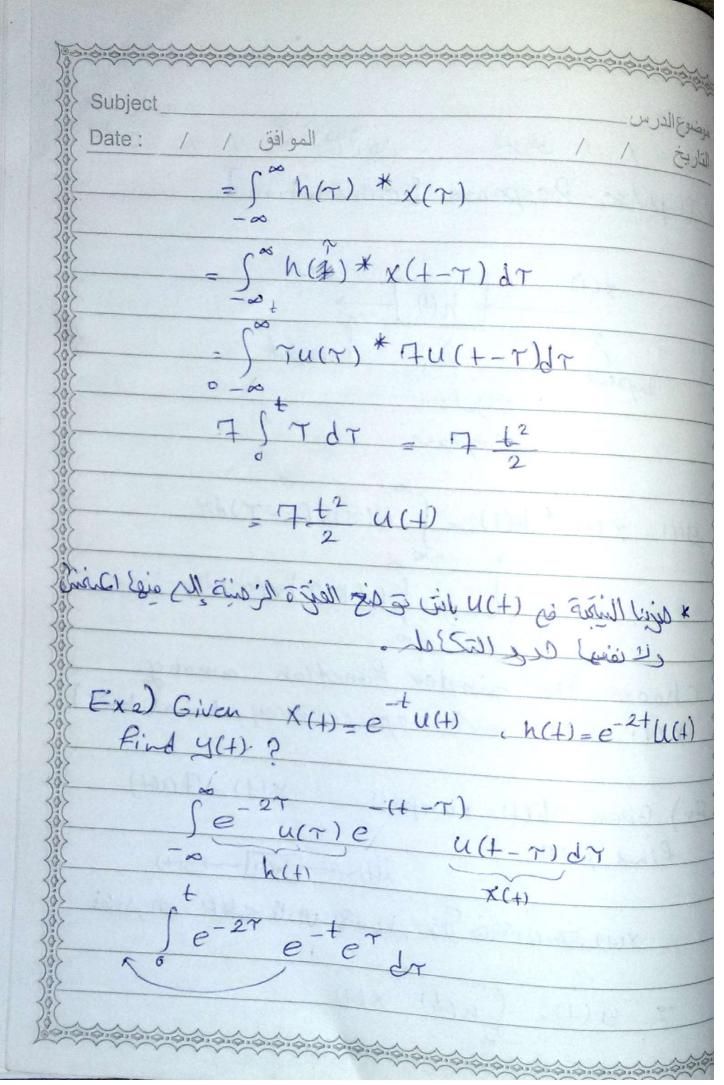


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DC	a suitable measure for
@ 5+100	
31180	Cos(n+ + T)
00	2
DC 67.5	Sin & cos-An
n a-	
P=25	+ 102
@ loe just	thus @ xill
100	-> cosut +jsin ut
	Colis and Esta
	ishut :
	2 0 = 0 A 1 = 0 A 2
30	$\frac{10^{2}}{2} = 50 = p$
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	THE THE PARTY OF T
17.5	
.67	
	1-31

(
Subject		ع الدرس
موافق / / Date:		1 / 5
a c= (1+)+ h	sin (wot) = c cos	
COS CO. TO	SIN (WOT) EC COS	(46)
	0 10 10	
	$C = \sqrt{\alpha^2 + b^2}$	
8 22	O=ten-1(b)
4 2 64 1 7		3 4 50
Q - X,(+) =	in (2x+)+2)	
X2(+)=1-	23 sin (2xt)	0.0
fins @	V-10 × 10 (×)	(1)
	X3(1) - X, (1). (X2)	(+)
V.1051. 12=1 05	260 10 0	- 5010
ASIESTA CART - 23	12(27t) + 2 - Usin	(2xt)
2 10		
X3(4)= -345	$n(2\pi +) - 2 \sin^2(2\pi +)$	x+)+2
00 25in 20-1	- Cos26	
= -35in (2xt)	+ 1 + cos(w(1)	
$W_{1=} \frac{2\pi}{T_{1}}$	W2 = 2	2
T1=2	Tz=1	
	2	

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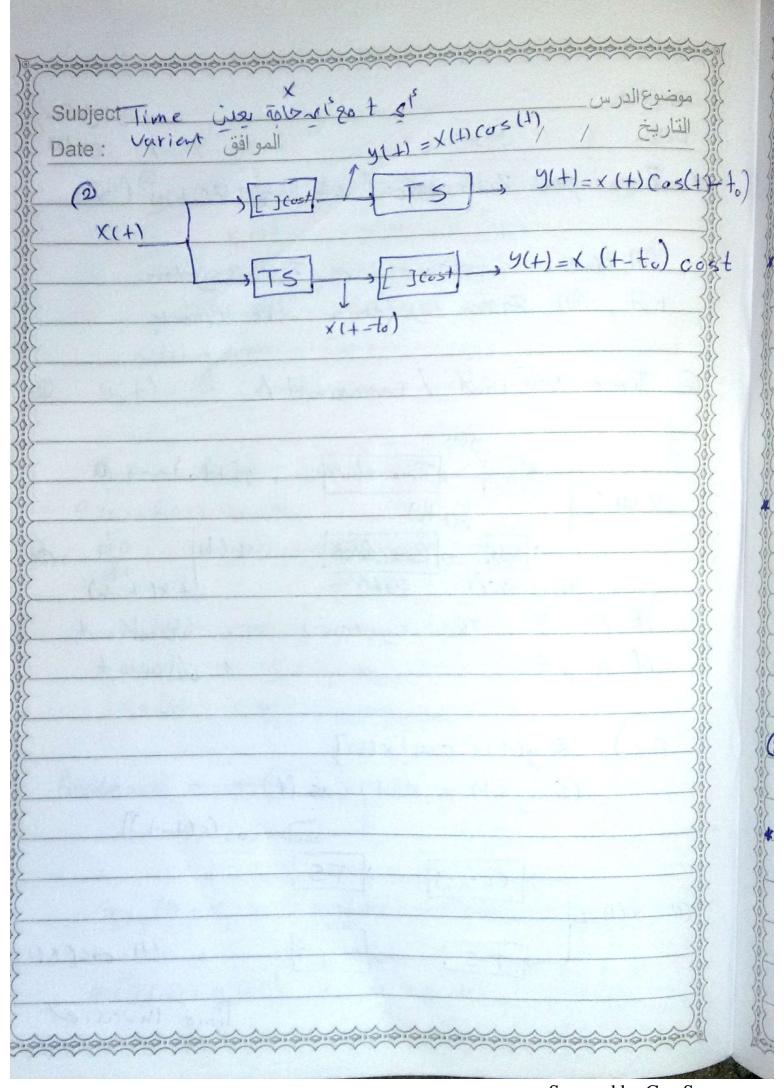




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Subject_	الله موضوع الدرس
Date: / / jale : / /	التاريخ ١١٨ ٥
$= e^{-t} \int_{0}^{t} e^{-\frac{\pi}{2}} d\tau$	
-t/ 0-TI	-t -
e-t(-e-T) = e-t[-(e -1) J U(4)
	# 3
	3
* system Classifications-	
00. 1. 0. 1	por position
@ linear Inon linear 1 30	aper,
A	
When input = X,(+)	tput is y (+)= x (+)
× (1)	d i i
When 1 = ×2(4) , out	out is y(+)= x2(+)
	(o)
when 1 = X2(+)	1 y (+)= X H
	So.
and X3(+) = X1(+) + X2(+)	
	Sá S
if @+@=@ then the syste	em is lehear.
harmon (4) ax a (4 s) as a ay	
F @ + @ + @ "	is nonlinear,
Constant for the first of the first	300
	Prince Commence

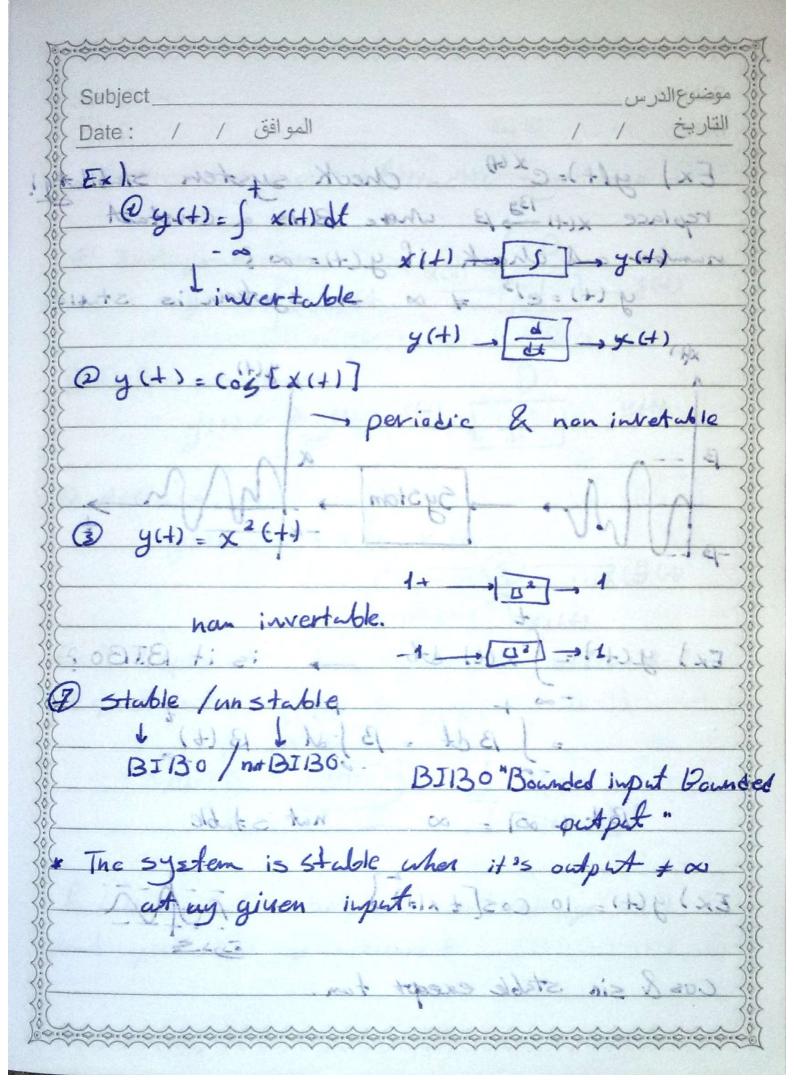
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$Ex)^{(q+)} = \chi(+)$?	is this	lineer	system
4/	, y, (+) = x, ?		
X2(+)	- 42(+) = X2(-	b	
\$\ \chi_3(4)	ń.		
X(H) + x2(H) =			linaer
@ y(+) = ln (x) ?		J	
ln(x,) + ln(x2) = 6	(X1+ X2)	non link	ecv
(x,)+ h(x) (xi) (xi) o 6			
3) ds = ay(+) + x			
(+) $(+)$ $(+)$	= ay (+) + xi(+)		
$X_2(1) \rightarrow Y_2(1)$	- ay (t) + x2	(+)	
$\chi_3(1) \longrightarrow \chi_3(1)$	= ay (+) + x	3(4)	•
,			
feedback >> -			
) }			
	(11)		30
(4) + X, (1) + a	12 (t) + X2(t)	= ay 4	- X3(t)
25001 .007 .0	V. (I)	ħ	(i)
a [y,(+)+ y2(+)] + (X 1 (+) + X2 (+)	Prinear	

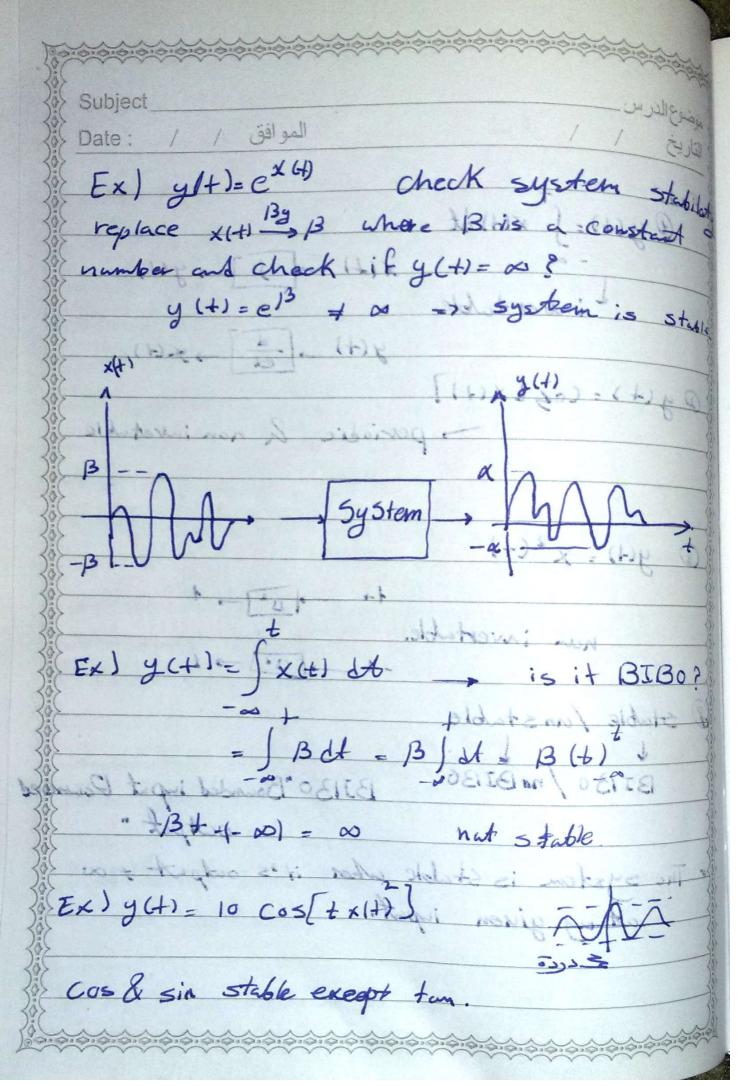
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	uput Zero ou	tput :-	7170	
All li	lear system	s ave s	170 syste	m.
hot	All 2120 54	stems	ave lineal	30
D Time	variout /	Invarien	4/	3
x 4)	345 Tiv	ne shiff	y (+.t.)	
	Time shift	System .	y (+)) at x	(+-6)
if @			Timeinu	. 10
if @	≠D ',	1, 1,	1 Val	rient 30
Ex)	@ y(+)= cos			300
121.147	(2) g(+) = X		+) = cos(x(+-	f J)
0 ×(1)	> Cos[,]	TS		
	TS	Cos[7]	9(t) = cas(x(+=
			Time 11	nvariet }



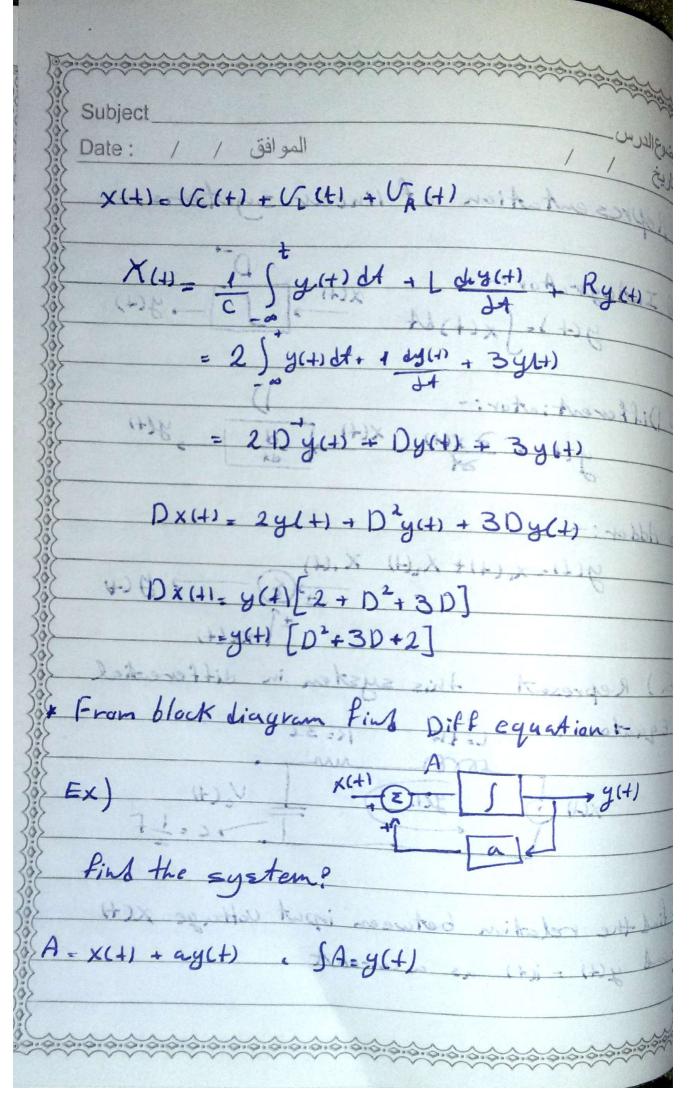
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\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
(a) Causel Inon-Causal system
(i) MENDERU.
(Causal system: - output at the time (to)
dosent depend on input at times gruter
then (to).
input past time xx(+-to)=y(+)
imput present time > x(+) = y(+)
when input and contract rapport in some
non causal system: - (+) = (+) x swit
when output of any system depends on
Limput in future time sx(++tol = g(+)
Hancared monge woody wenty les
To the state of th
(Ex) y (+)-x/(+-3)-1d: Nova: from 1 old: Hourt ()
@ memory /memoryless system it this
it's www.iblc.
* memory system: - when cutput y(+) depends
memory system: - When cutput y (+) depends on input at times in range (- oot of)
Such as => t . alliknolar won et ?
y(+) = x(T)dT sld troini non so moksus subsinoq pro
Pay poriede system as non invort ble

Subject Date: / job god / tall * also when import is x(++ to) system a memory. All causal systems are memoryless system When imput and aut put happend in some time x(+) = y(+) noncausal memory causal memoryless Dinvortible / non invertible systems. 2 different imputs gives 2 different outputs it's invertible. 2 different inputs gives 2 different outputs it's invertible. Any poriodic system is non invertable.	
Date: Jalo when import is x(++to) system a memory	Subject
a memory. All causal systems are memoryless system. When input and aut put happend in some time x(+)=y(+) Honcausal memory consel+ memoryless. Dinnortible I non i Nextible systems. 2 different inputs gives 2 different outputs it's invertible.	
All causal systems are premaryless system When input and aut put happend in some time x(+)=y(+) y(+)=(0 cos(+xi+)) noncausel-memory causal+memory less Dinvortible I non invertible systems. 2 different inputs gives 2 different outputs it's invertible.	* also when input is v(+++a) sand
All causal systems are premaryless system. When input and aut put happend in same time x(+)=y(+) y(+)=e^{-2+}x(++4) y(+)= 0 cos(+x(+)) noncausel-memory causal+memoryless Dinvortible I non invertible systems. 2 different inputs gives 2 different outputs it's invertible.	a memorie
All causal systems are premaryless system. When input and aut put happens in some time x(+) = y(+) y(+) = e^{24}x(++4) noncausal memory consel+ memory less Trivertible I non i Nextible systems. 2 different inputs gives 2 different outputs it's invertible.	is cost and the transfer of the
All causal systems are memoryless system. When input and aut put happend in same time x(+)=y(+) y(+)=e ⁻²⁴ x(++4) noncausal-memory consel+memory less Trivortible I non invertible systems. 2 different inputs gives 2 different outputs it's invertible.	* memoraless sustem:
when input and aut put happend in same time $x(t) = y(t)$ $y(t) = e^{-2t}x(t+4)$ $y(t) = 10\cos(t+x(t))$ $y(t)$	
when input and aut put happend in same time $x(+) = y(+)$ $y(+) = e^{-2t}x(++4)$ $y(+) = y(+)$	All causal systems are premaraless 1
when input and aut put happend in same time $x(t) = y(t)$ $y(t) = e^{-2t}x(t+4)$ y (t) = (v cos(t xit)) noncausel-memory consel+memory less Dinvertible / non invertible systems. 2 different imputs gives 2 different outputs it's invertible. 2 different inputs gives 2 different outputs it's invertible.	
yet = e-24x(++4) Non causel- memory Cowsel + memory less O Invovtible I non i Nevtible systems. 2 different imputs gives 2 different outputs it's invovtible. 2 different inputs gives 2 different outputs it's invovtible.	When input and autout honored in
yets=e-24x(++4) Noncausel-memory consel+memory less O Invertible I non invertible systems. 2 different inputs gives 2 different outputs it's invertible. 2 different inputs gives 2 same outputs it's non invertible.	
yets=e=x(++4) noncausel-memory consel+memory less © Invertible I non invertible systems. 2 different imputs gives 2 different outputs it's invertible. 2 different inputs gives 2 same outputs it's non invertible.	
noncausel-memory consel+memory less © Invovtible I non i Nevtible systems. 2 different inputs gives 2 different outputs it's invovtible. 2 different inputs gives 2; Same outputs it's non invortible.	yell=e-24x(++4) 4(+) 4(+)
2 different imputs gives 2 different outputs it's invertible. 2 different inputs gives 2: Same outputs it's non invertible.	noncausel- memory consel + memory los.
2 different imputs gives 2 different outputs it's invertible. 2 different inputs gives 2: Same outputs it's non invertible.	@ Invertible I non i Nertible systems.
2 different in Puts yives 2: Same outputs it's non invertible.	
2 different in Puts yives 2: Same outputs it's non invertible.	2 different inputs gives 2 different outputs
2 different inPuts gives 2: Same outputs it's non invertible.	it's invertible.
it's non invertible.	
it's non invertible.	2 different inputs gives 2 same outputs
46(T) x (T) dT	its non invertible.
Any periodic system is non-invertable	
	Any periodic system is non invertable

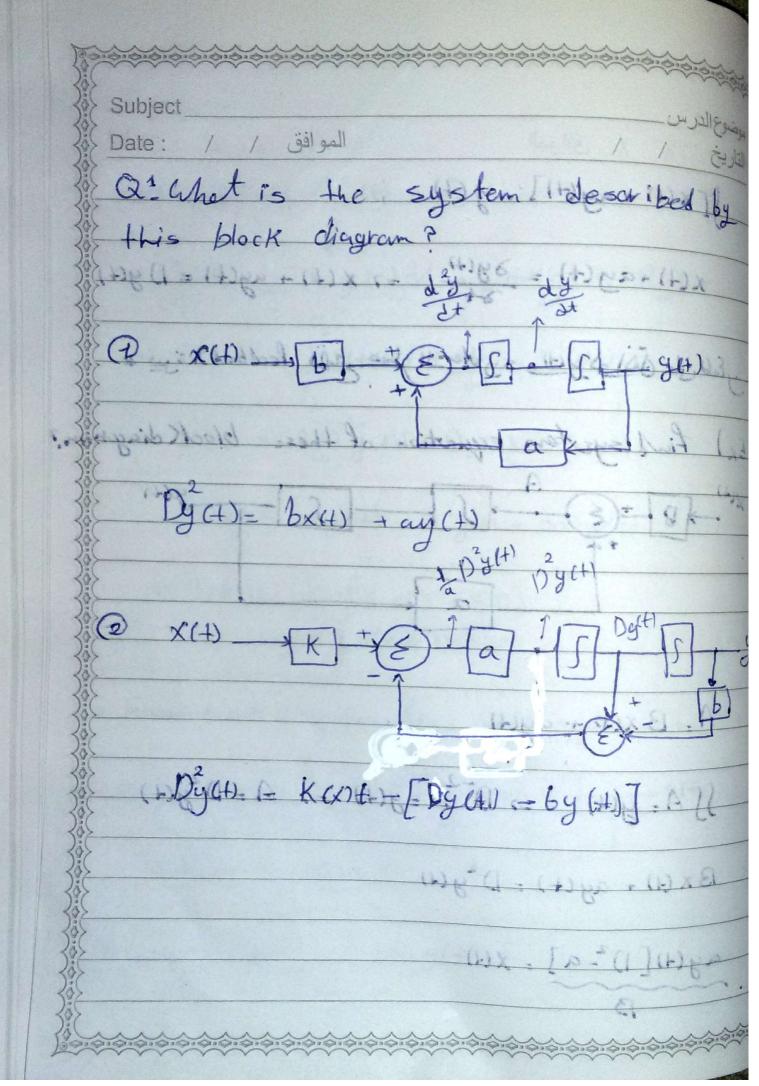


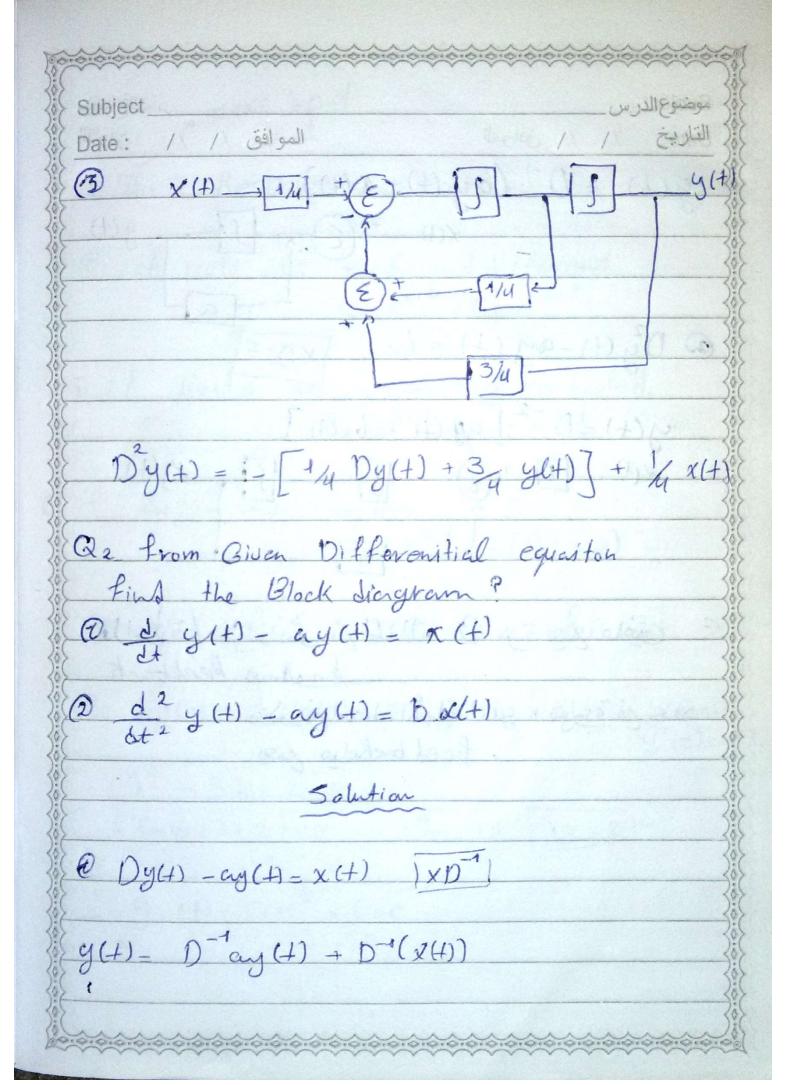


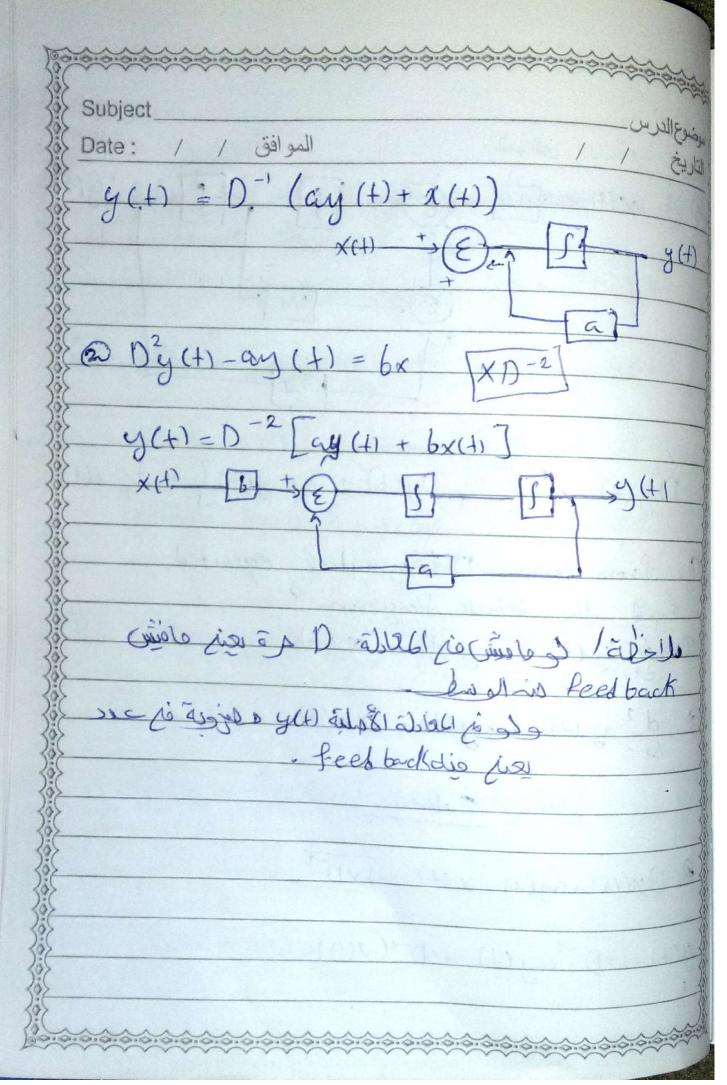
\$ 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Subject	موضوع الدرس
Date: / /	التاريخ / / عالم
Representation of	incar systems:
	3
@ InAcgretor -	X(4) D (4)
9H = (x(+) A	X(4)
(स्पूर्व - १५६५)	· 2) yetids.
@ Different ator:)
4 (+) = 3 x (4) (X	(+) Jes 3(+)
ð 34	
@ Adder: - 5008 + 1600 (DX(+1= 292+) -1
y(+)=x(+)+ X2(+)	X,(4)
[98 = 0	- HE STATE OF CH
	E+= af (+x2(+)
Ex) Represent this sy	sten in differential
Equations: 1 1 La Line	R=32 brish Hold moved &
(ceres	····
(H) (XICH (3) (427)	$V_{c}(t)$ $V_{c}(t)$
	21
	find the system?
find the relation between	iput voltage X(+)
and y(+) = i(+) as a cutre	at. (1) (1) - (1) x - (1)
	3
	1010101010101010101010101010101010

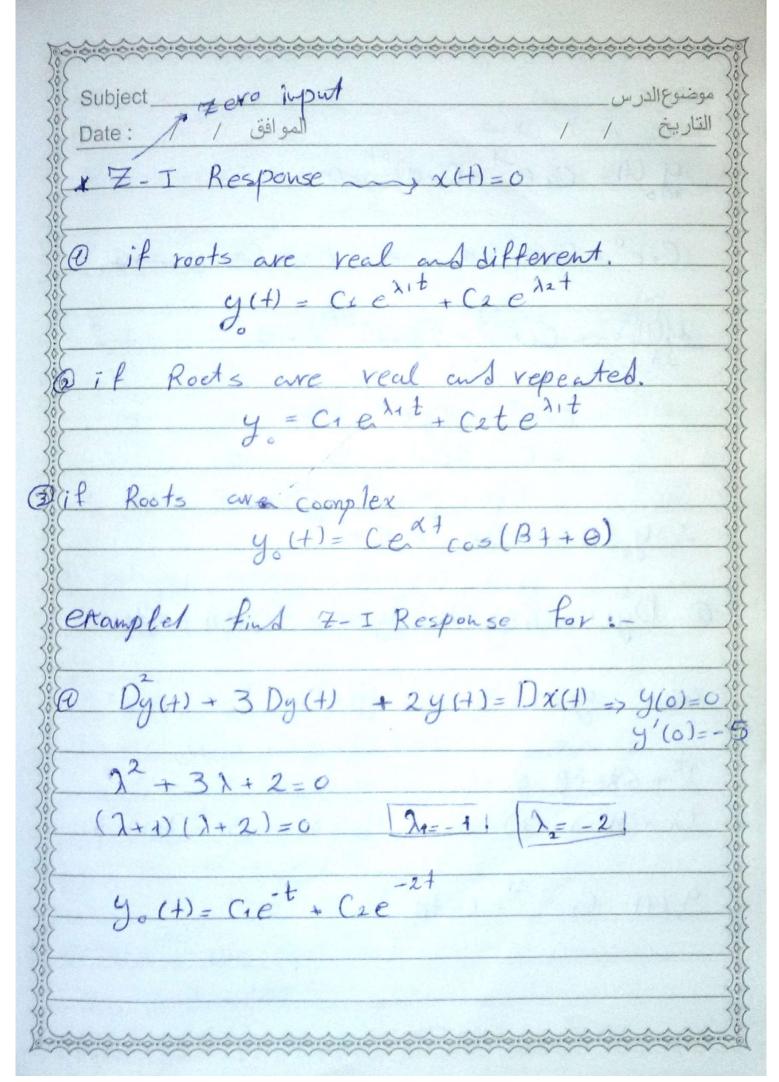


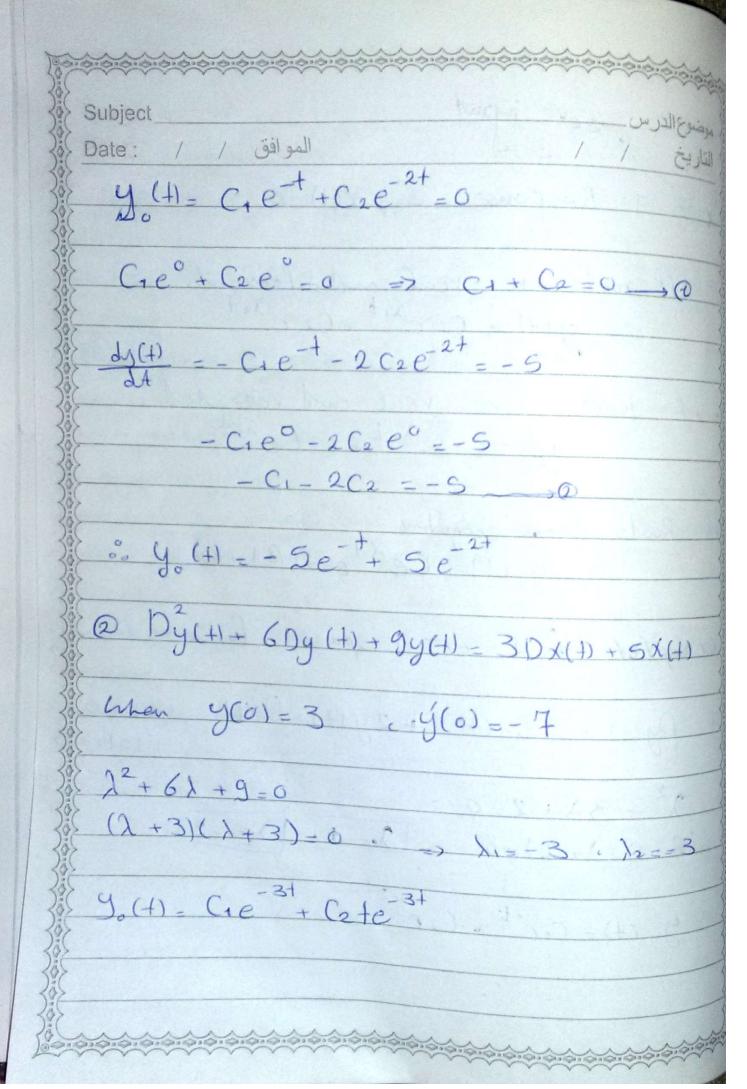
Subject_ موضوع الدرس Date: / / الموافق [[x(+) + ay(+)] = y(+) x(+) + ay(+) = dy(+) = 1 x(+) + ay(+) = Dy(+) . Leb ile Joi of yet system I has sup feed back I in the Ex) find system equation of these block diagram? A = Bx(+ ay(+) SSA=y(+) => D-2A=y(+) => A=D2y(+) Bx(+) + ay(+) = D2y(+) ay (+)[1)2-a] = x(+) 01010101010101010101010101010101010

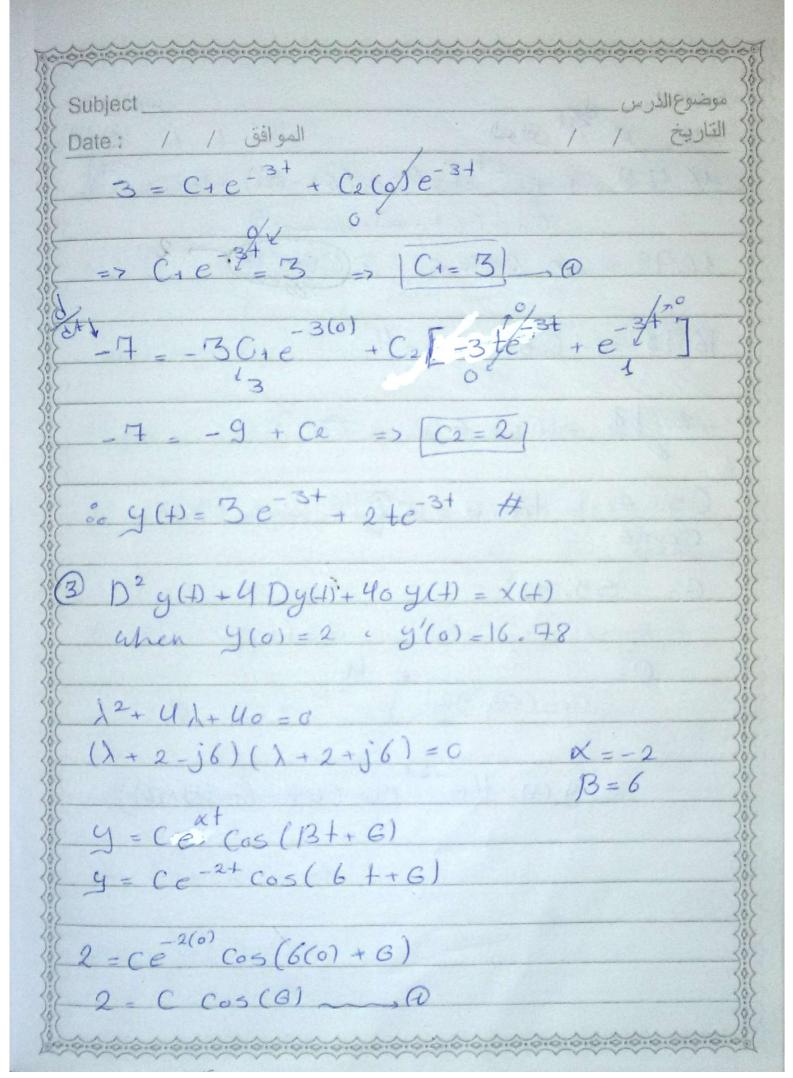


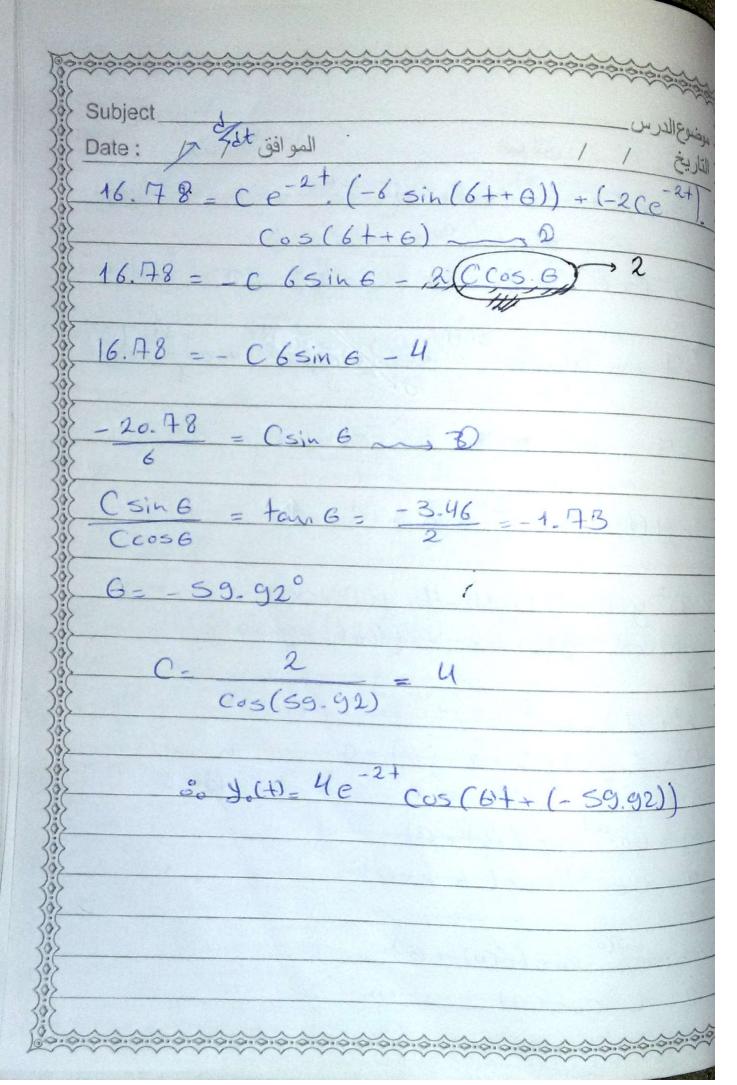


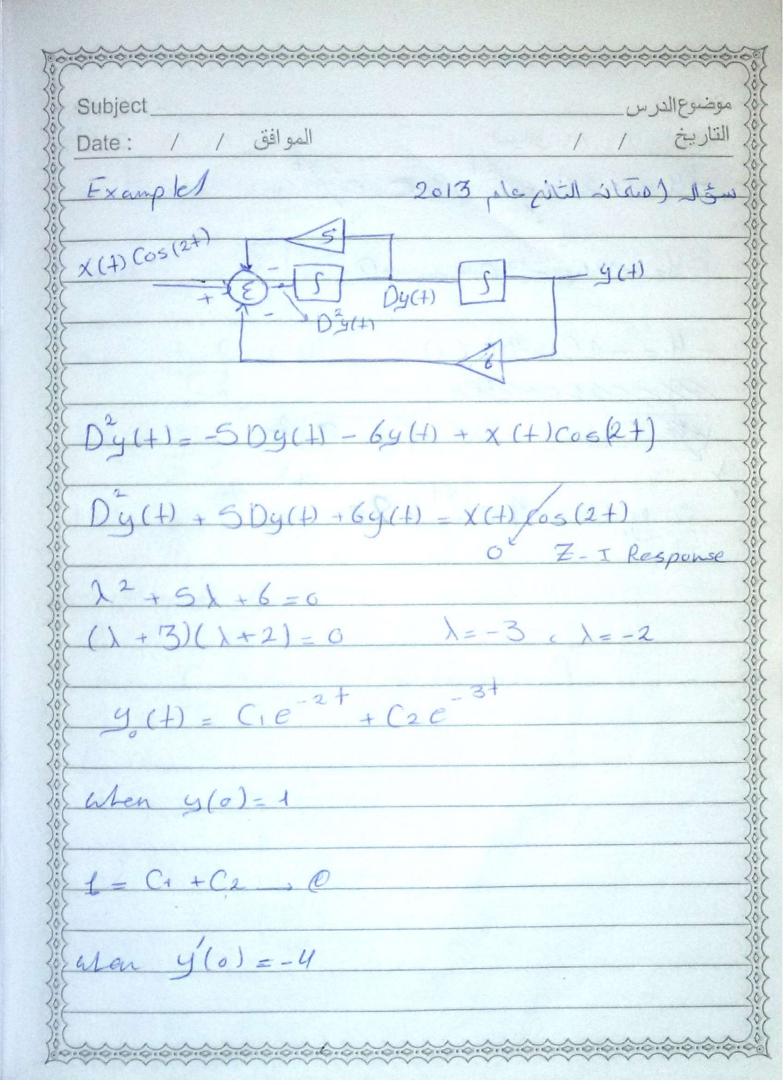


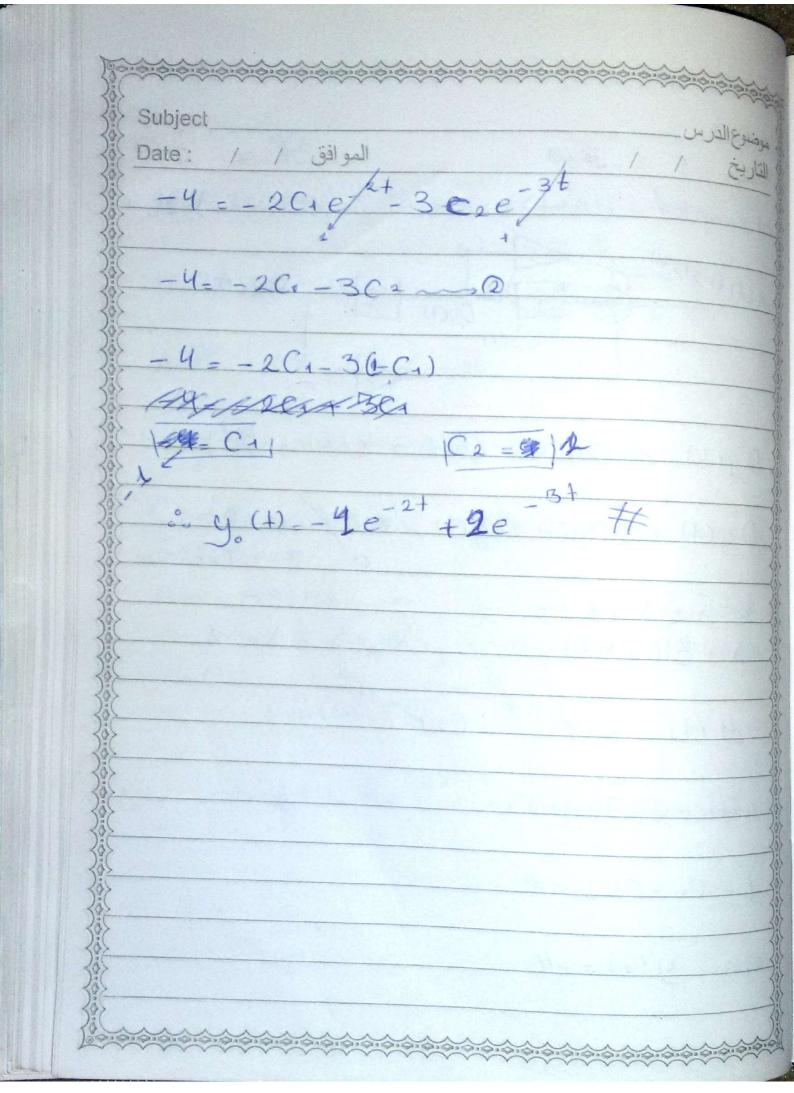


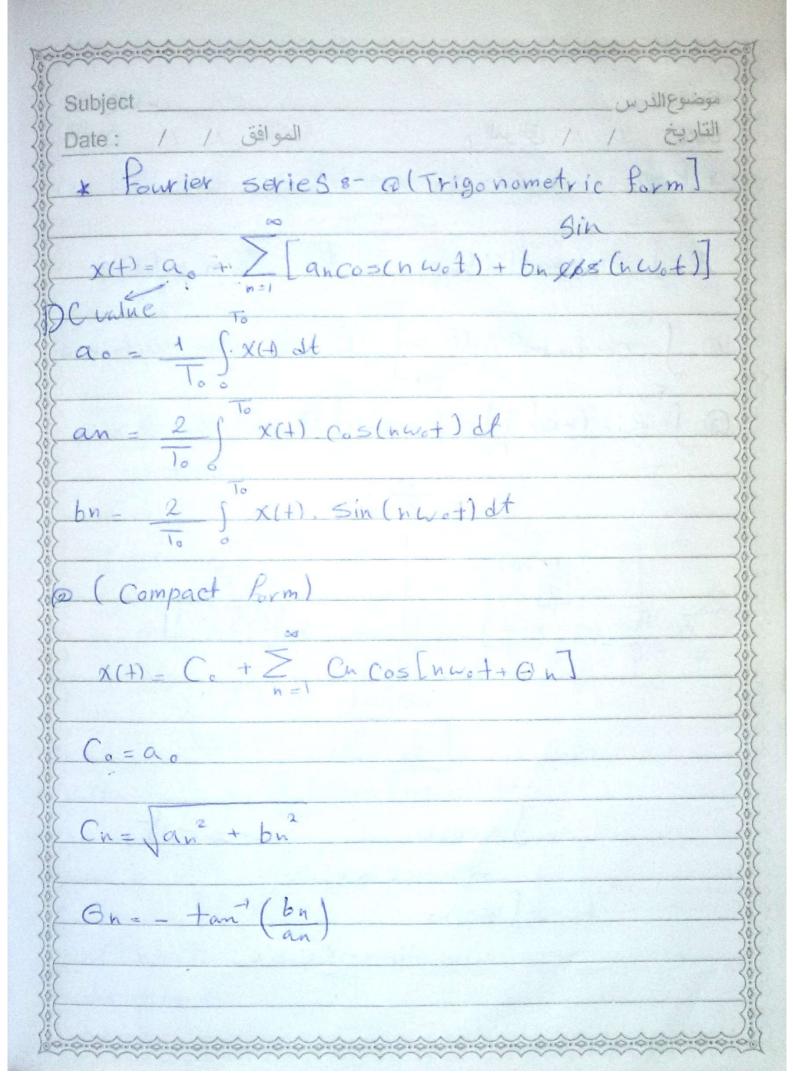


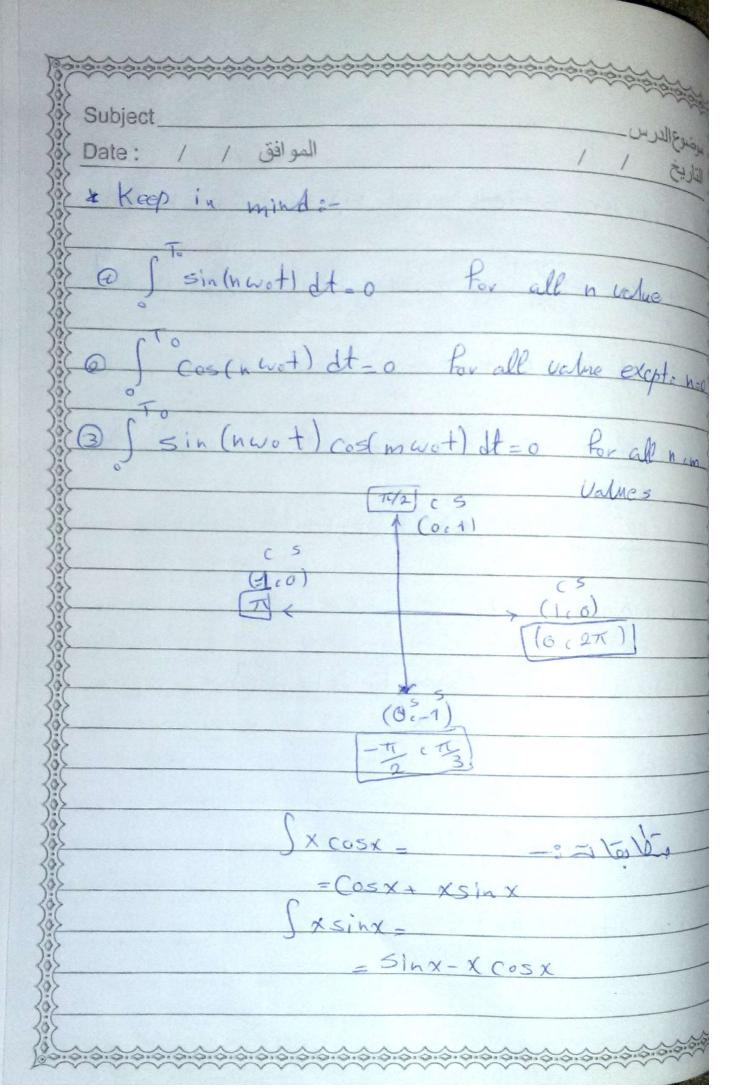


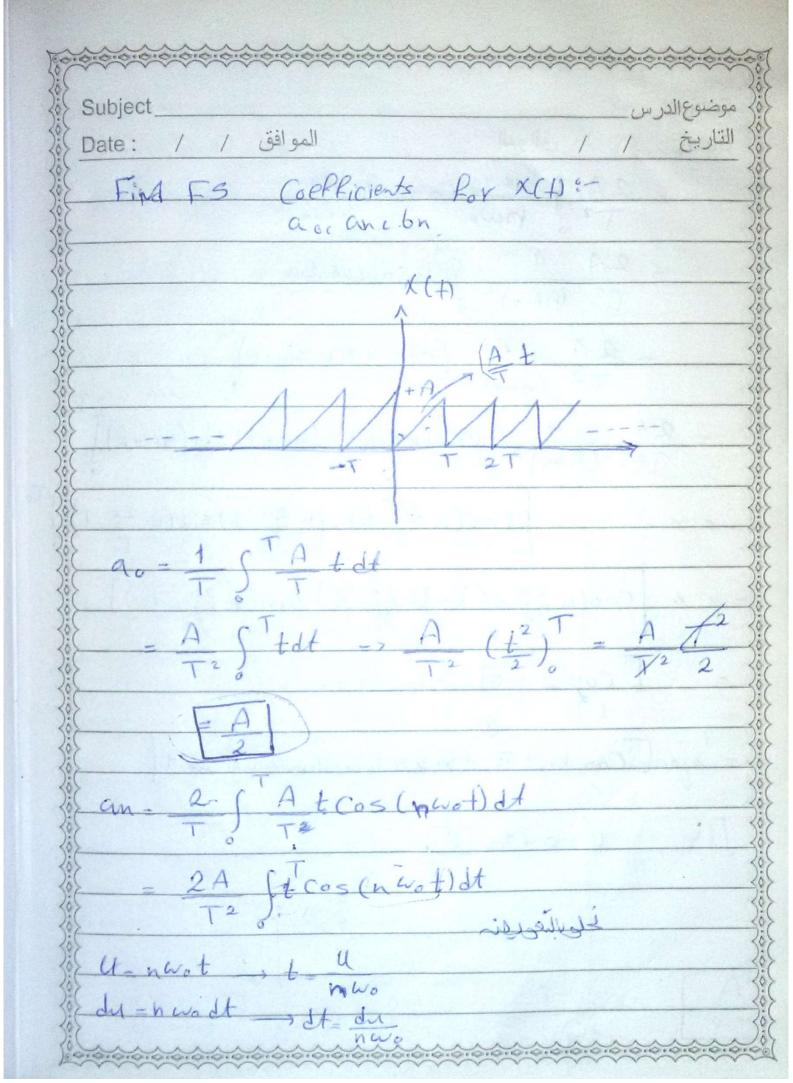


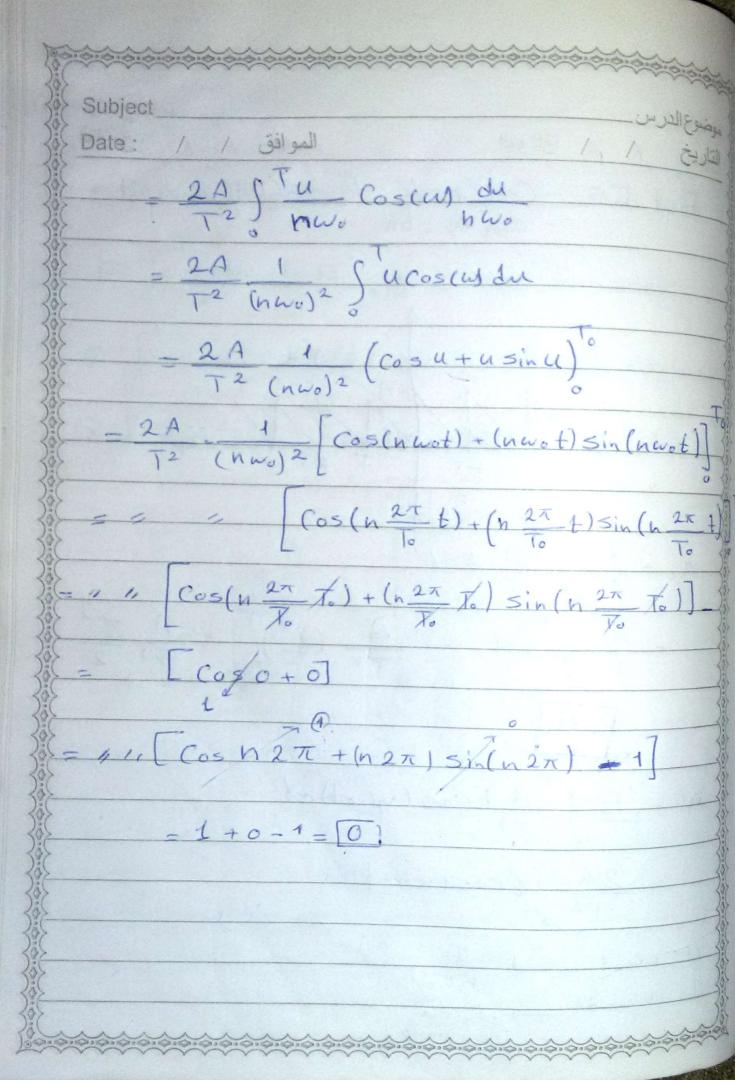




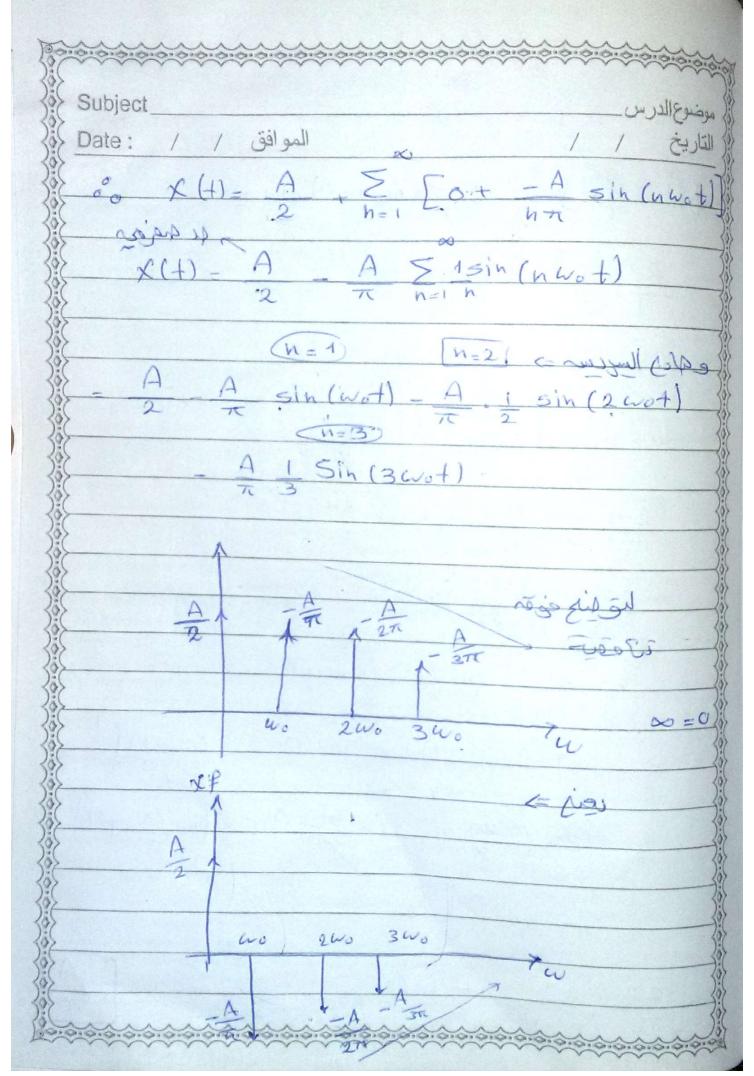




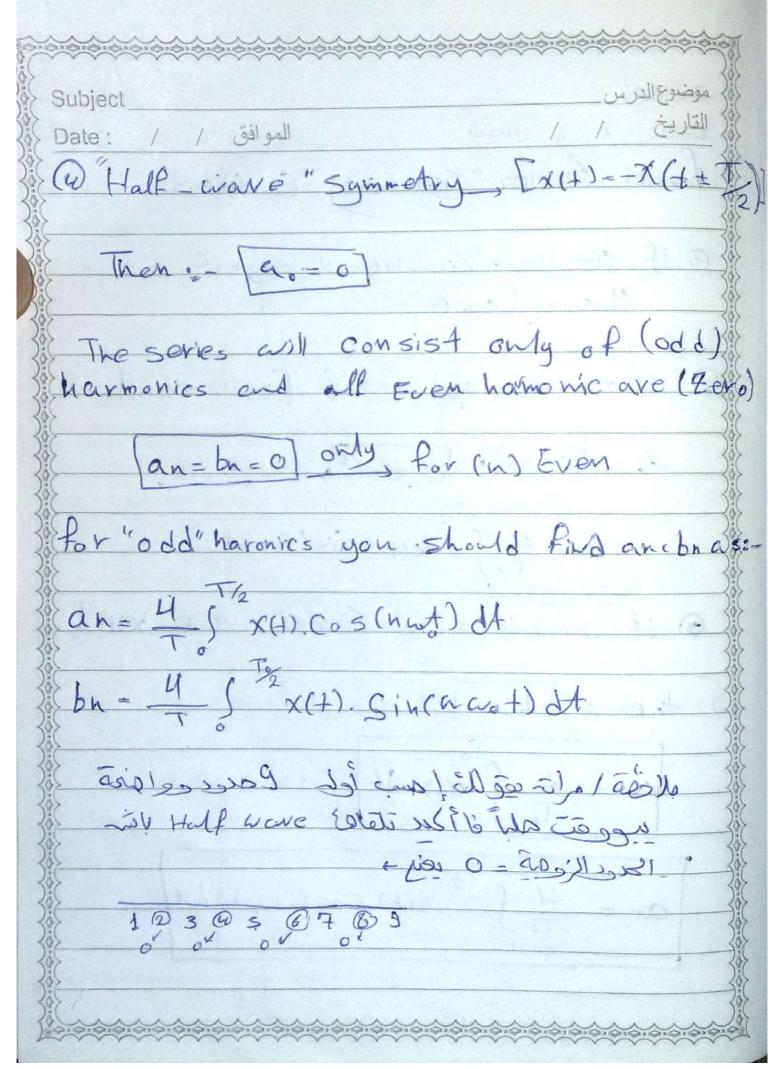


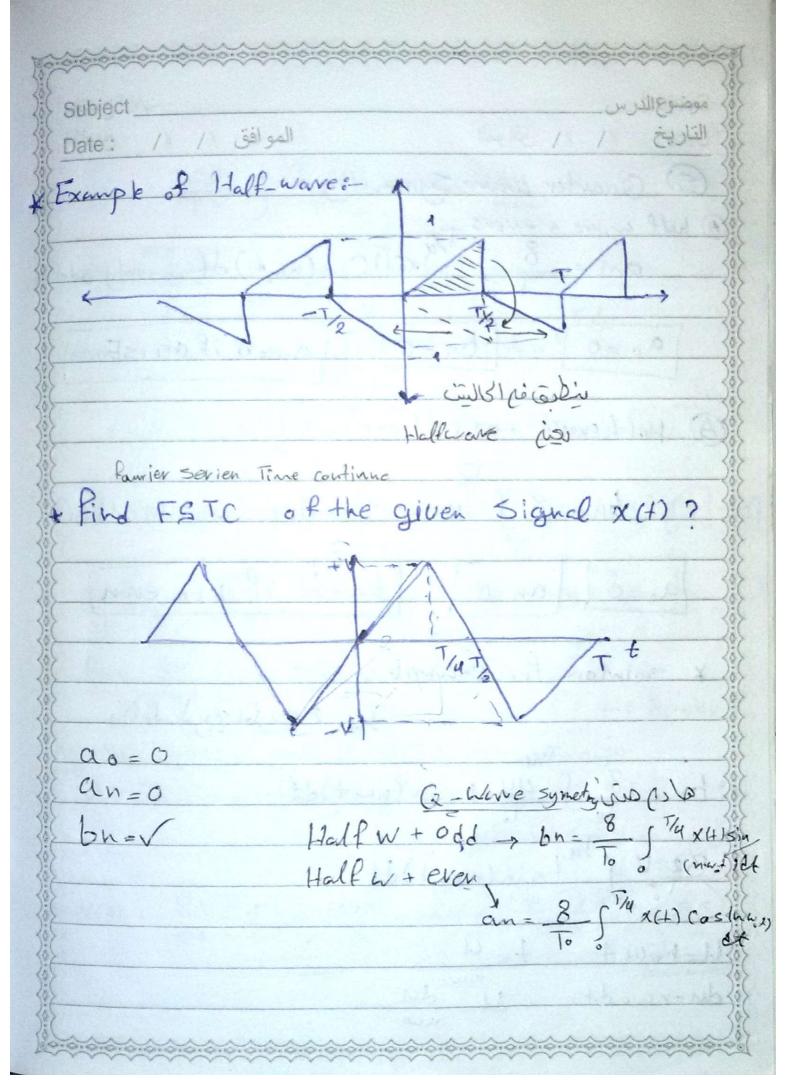


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	= 2 1				t) de			
-	$\frac{2A}{1^2}$	Tt, sin	(hwo	t)dt				
11	= hwa	+	> t_	u				
	- HW &		V	wo				
di	n = nwo	st ~	-> dt	du ha				
	2 A 5	nwo	Sin (C	o du	00			
	ZA,	(nwo)	2 gu=	in u	du			
	. 11 11	ΓΞ	sin U-	UCOS	u]			
= 4	"[Sin (no	(vot) -	ex (ne	(o+) E	05 (nevot)]T
= 11	" [sin	(n 27)	7).	(n-27)	A) C	05 (n 27	- X)]
		[0/-0	Ĵ		1.00			
2 21	A I) 2	- h 2	7 =	2/A	· W	127	= A



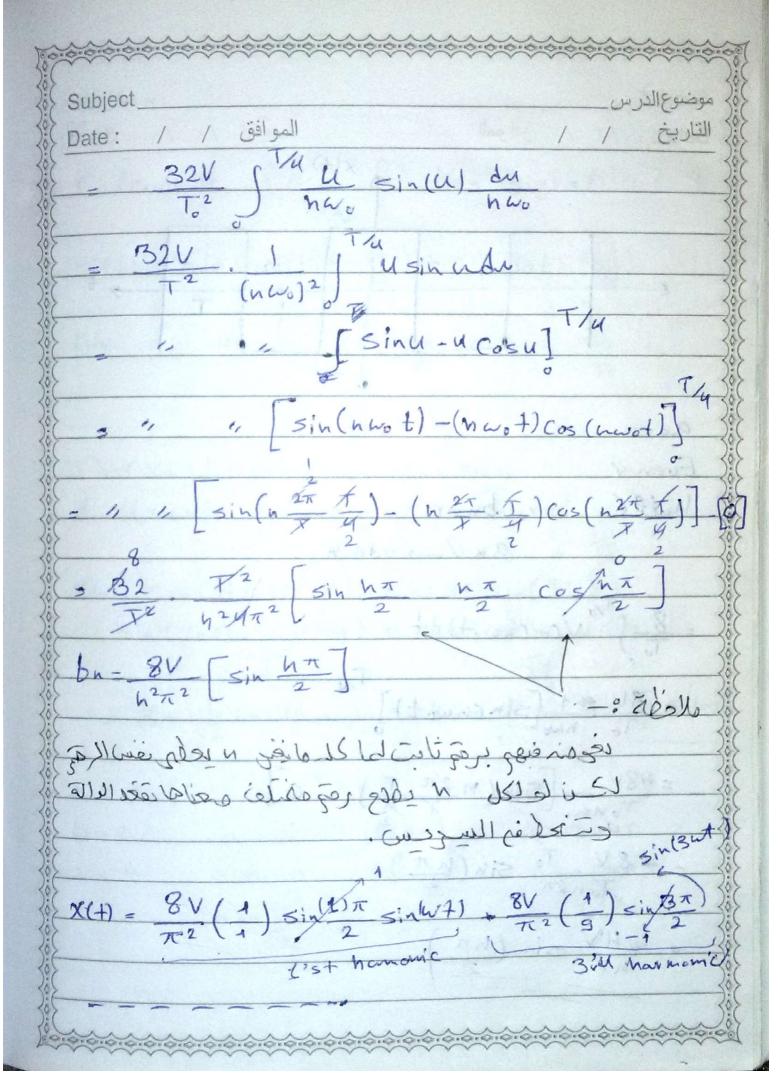
	6.	
Su	ojectl	موضوع
		التاريخ
{I	wier Beries " Symmetry Conditions :-	191
(a)	if x(+) is a Zero-mean" signal.	
	then: - [00=0]	
000	A COLOR OF THE COL	37
0	if x(+) is odd signal [x(+)=-x (+)]	
0	1) X(4) 13 UNG SIGNING [X(1)]	
000	then [a = 0] [an = 0]	
(i)	Then is	v 3
(0)	6n= 4 (x(+) sin (n wo+)	v.\$
(0)	To) X(T)	
(i)	3) if x(+) is even Signal [x(-+)=x	T(4)
(i)	JE ACT IS EVEN OF LA	
305	then :- Thui-old and	- Ad
300	Then I bu = 0	
300	2 Cocco 24	.3
300	To) X(1)	
300		
300	1 To/2 R(+). Cos (hwo+) dt	
300	To)	
);(-		
300		6.6.6

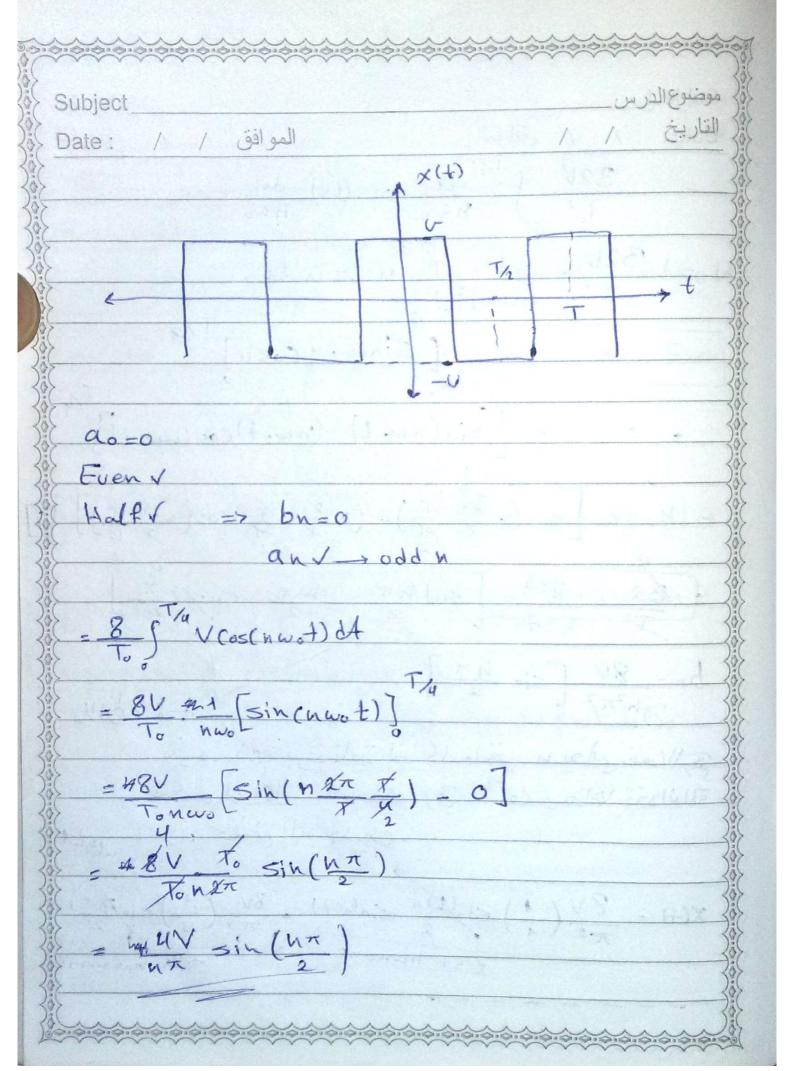




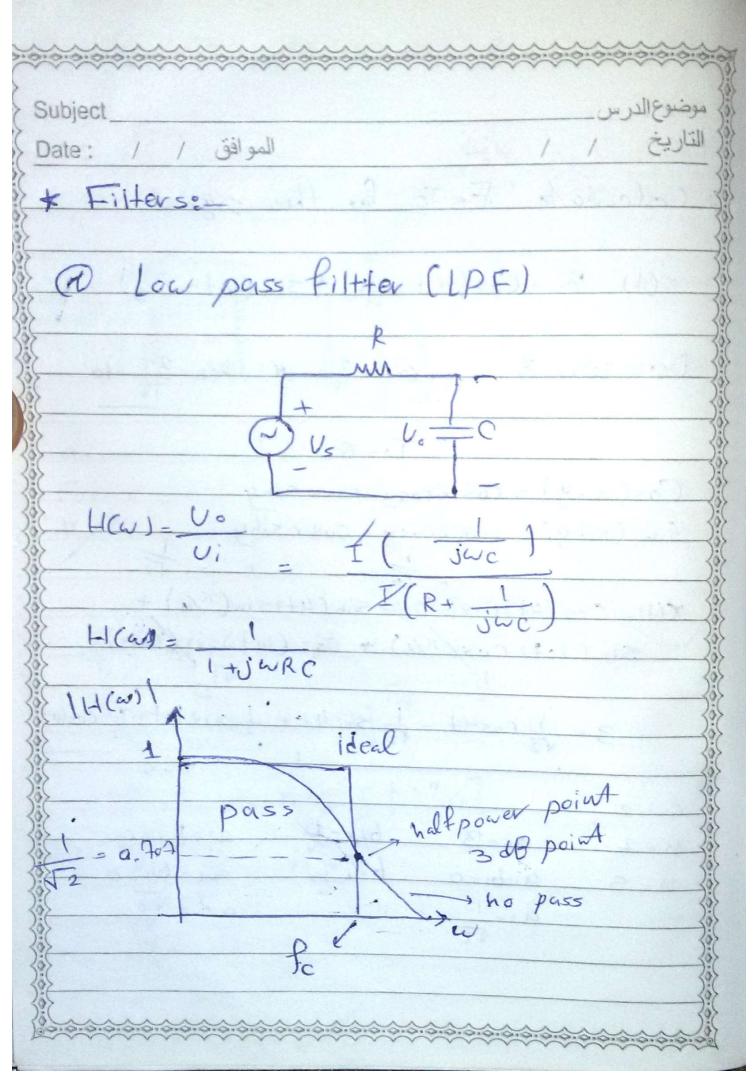
Subj	والم موضوع الدرس الموافق / / : و الموافق / / : و الموافق / / : و	4
201	Quarter wave Symmetry &-	
(0)	13/	4
305	an = 8 5 Tu x(+) Cos(next) dt sonly odd	
	[ao=0] [bn=0] [an=oif (n) is Even]	4
(4)	Halferare + odd:	
30	T4	
35	by = B & xco.sin(nast) dd -> only odd (n)	
	a=0 an=6 bn=0 if (h) s even	
3	solution for example =	
	Ty 20061 20 2 20 00	
3	7:/4	
38° b	n = 8 S UV t, Sin (nwet) dt	
36 12	2 V J 4 sin (novo+)dt	
365	1 1 4	
So de	1-nwodt, to du	
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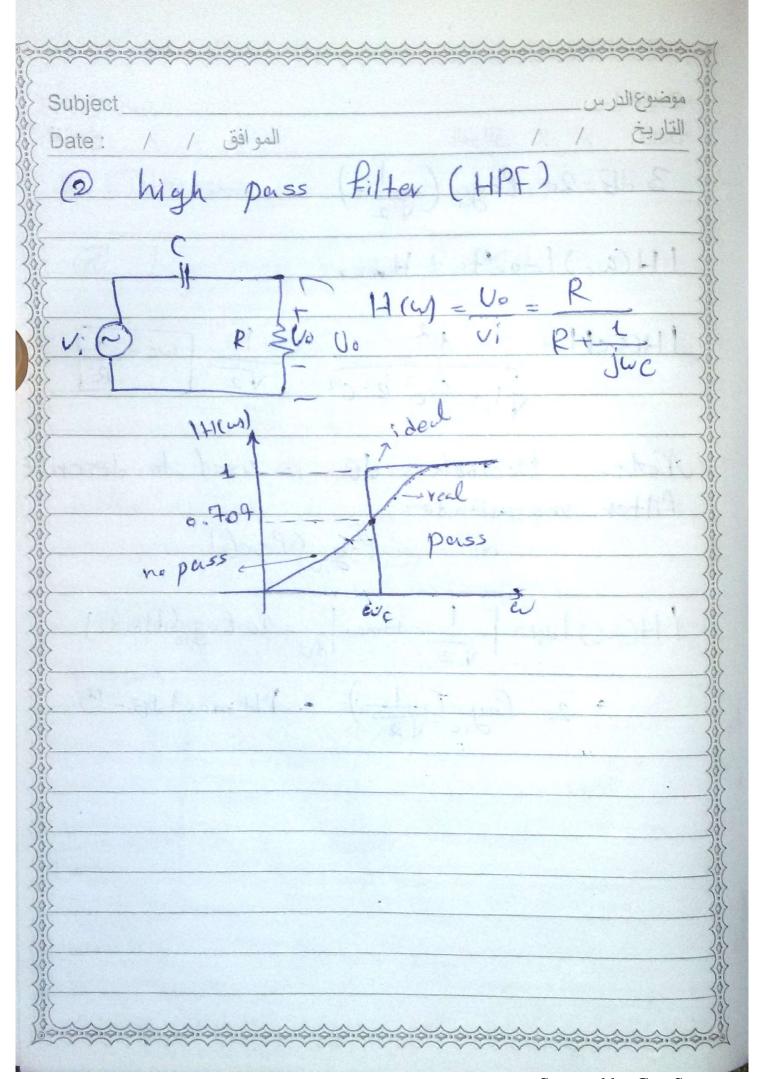


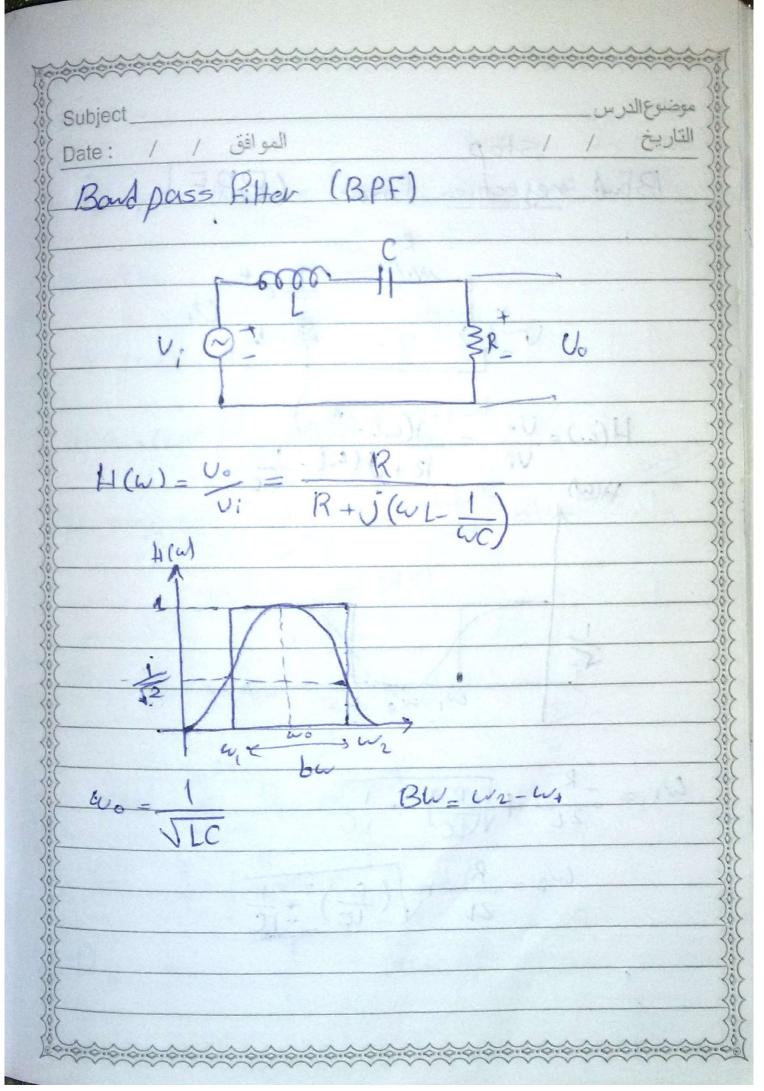


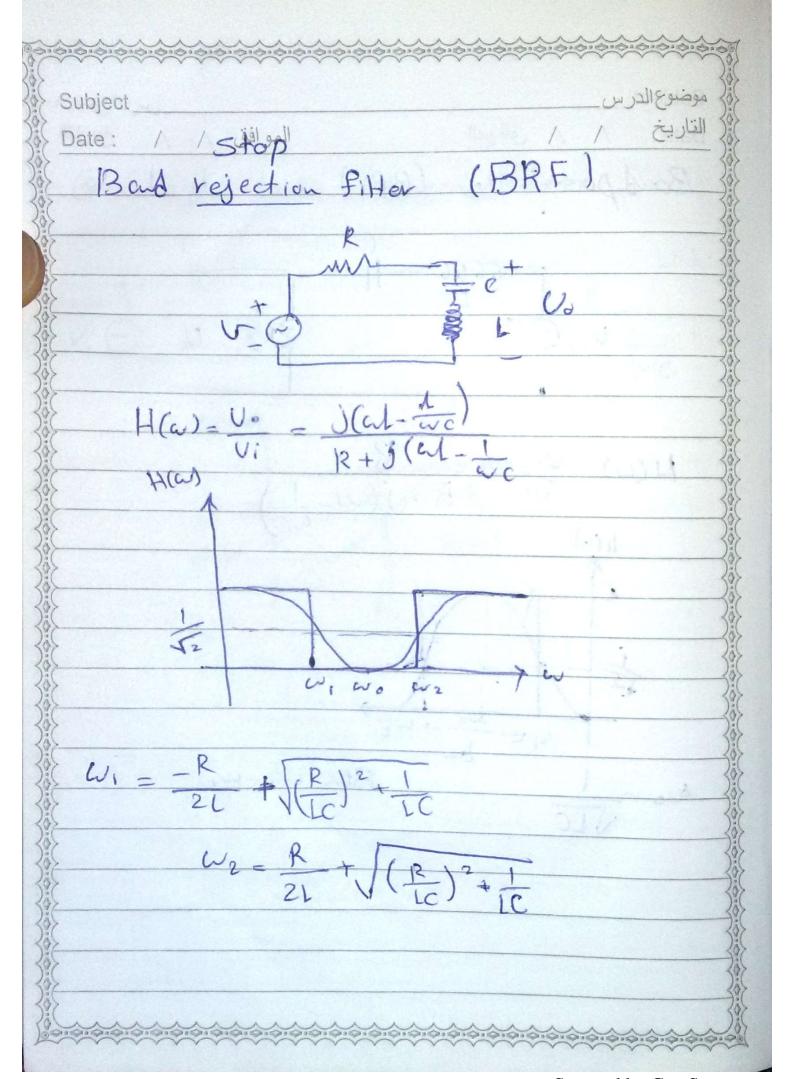
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	*****
Subject	، موضوع الذر
	ر التاريخ
a Calculate F5To for this signal	17 4
<b>{</b>	
X(+)= 3 + Cos(4++1) + sin (10++ 7/3	)
$DC = ao = 3$ $w_1 = \frac{2\pi}{L} = 4$ $w_2 = \frac{2\pi}{L^2}$	=10
$T_0 = \pi$	
(Cos(X+y) = cos x cosy-sinx sing	
Sin (x+y)= Sinxcosy+ cosxsing	( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )
(X(+)=) cos (4+) cos (T/4) - sin (4+) sin (T/4) +	
Sin (107) Cos(1/3) + Cos (10+) sin(1)	. 1 1
12 29 132	
= 3+ 1 cos4+ - 1 sin 4+ + 1 sin 10+	+ V3 Coslo
1 1 2 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-
$\alpha_{0-2}$ $\beta_{0-2}$ $\beta_{0-2}$	
$h=2$ $a_0=3$ $b_2=-1/2$ $a_3=b_3=$	0
N=5 a1=61=0 65=1 cm=64	
$a_{2}=\frac{1}{2}$ $a_{5}=\sqrt{3}$	3
{ \2'	

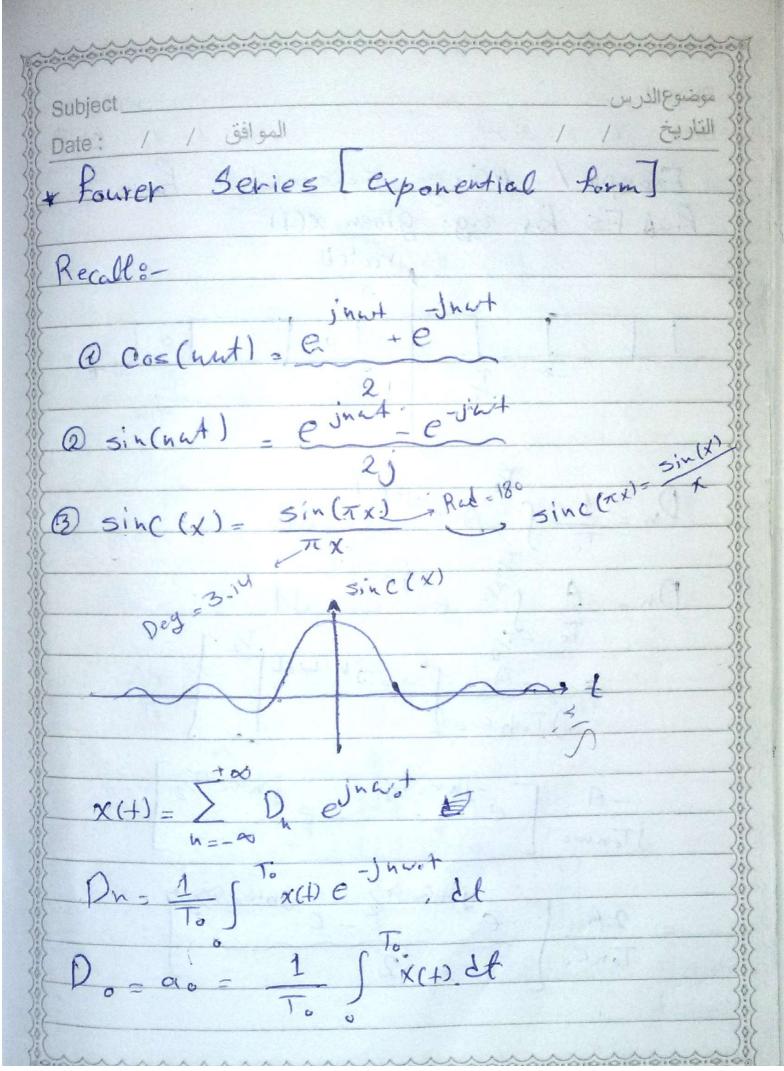


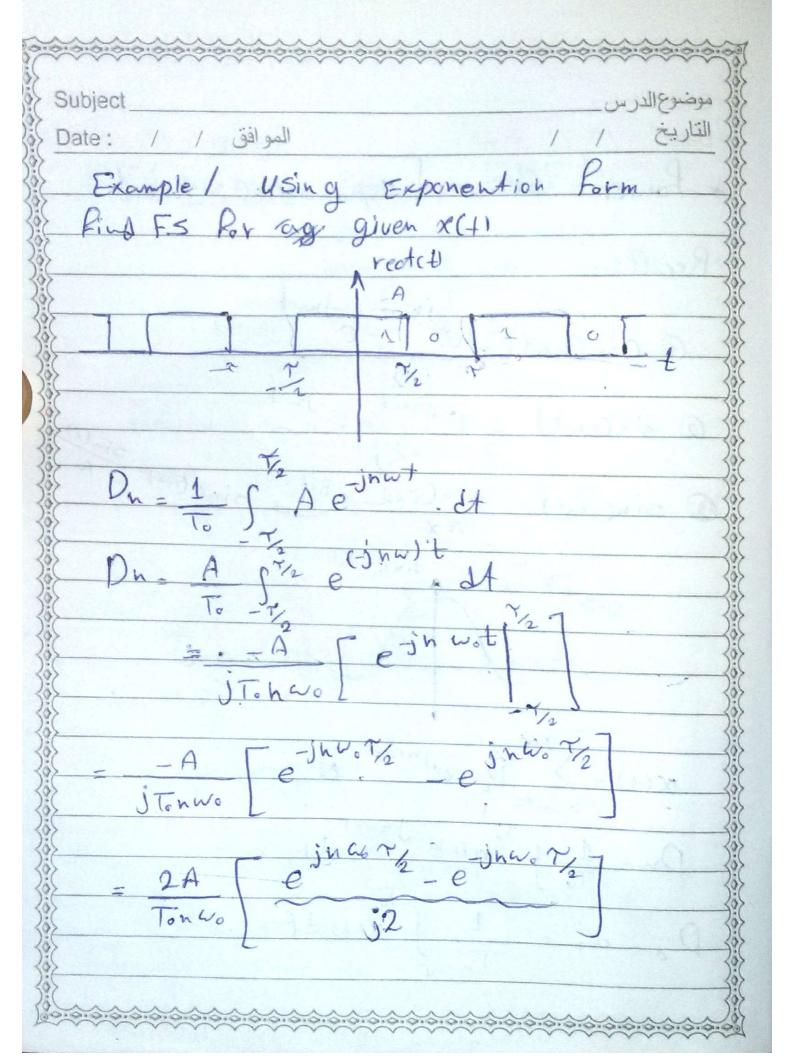
Subject	موضوع الدرس
Date: / / beleë	التاريخ / /
3 13=20 log (1)	Deed yring (a)
14(wc)1=0.707 Hmo	x
14(acs) = 12	= 12 Fac= 47
JI+ 62 P2	C2 , V2 R
Notes - Decibels = de	B is used to descr
filter magnitudes	
d3 = 20 P	ig (level)
1H(ave) 1d8 = 1 1 Hima	= 20 log (Hmax)
+ 20 Pog (-1	) = 1 H max 1 13 - 3

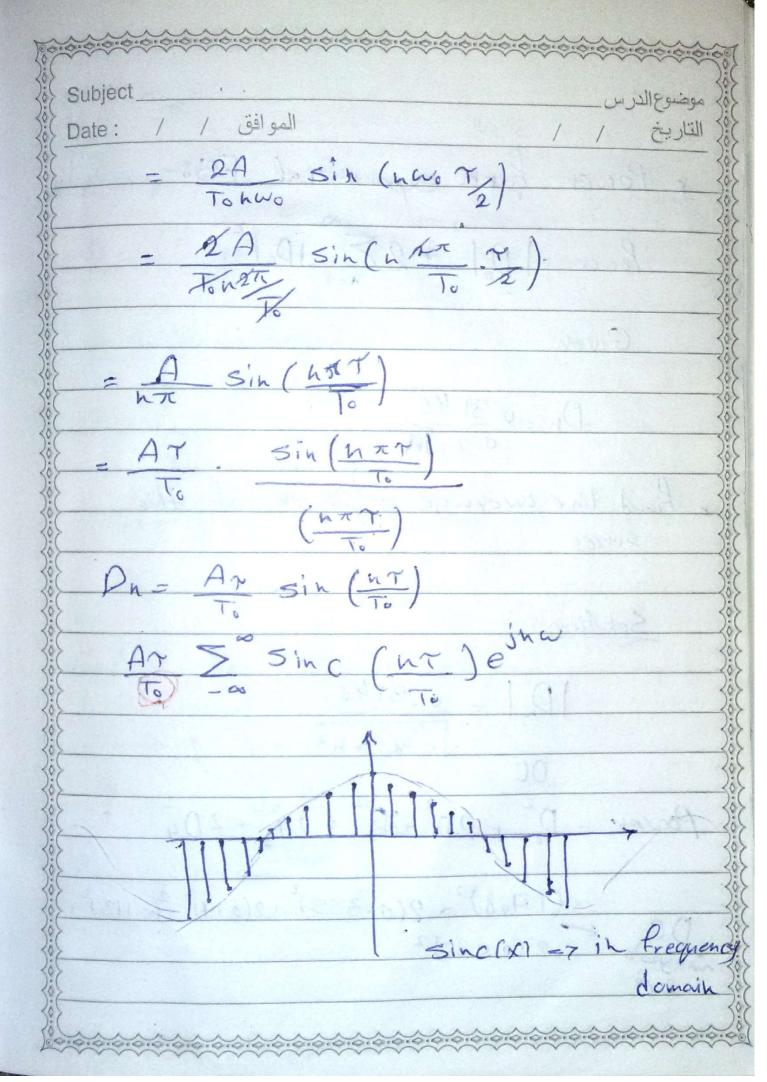




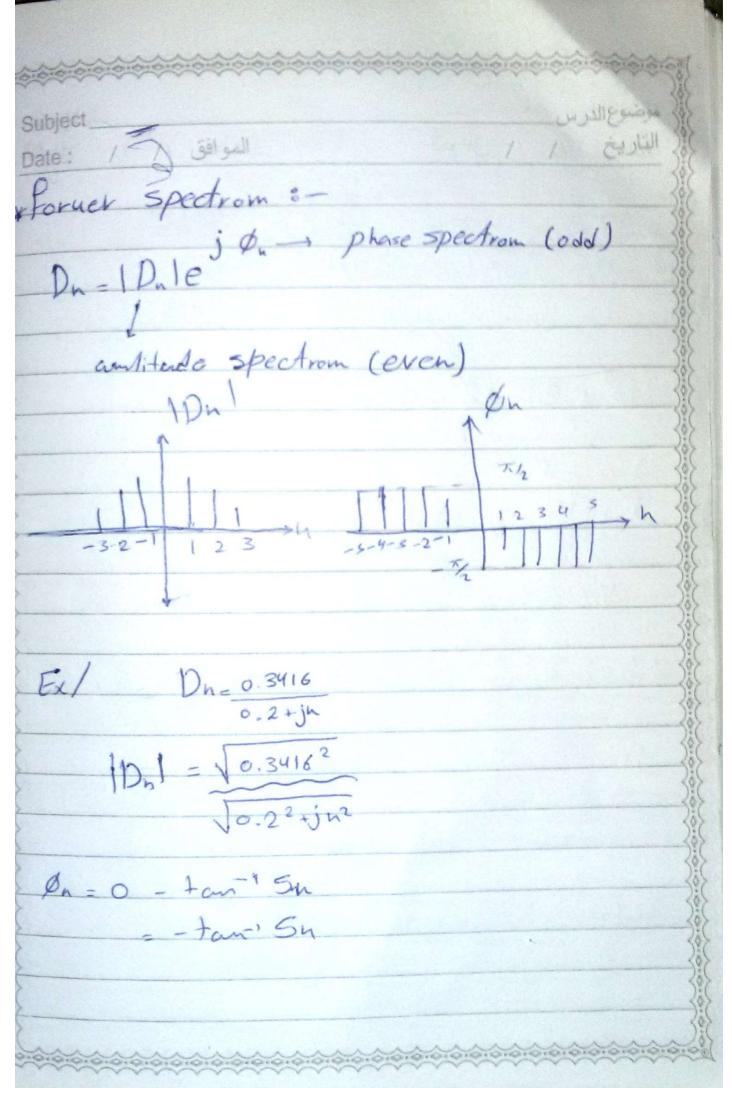






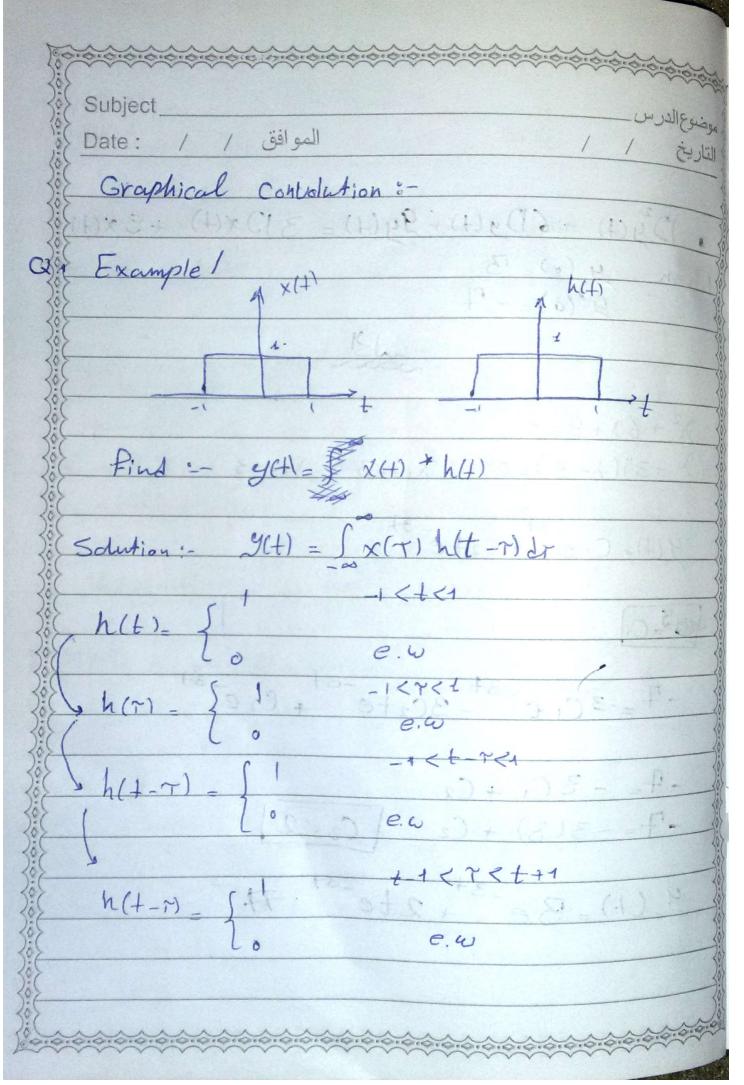


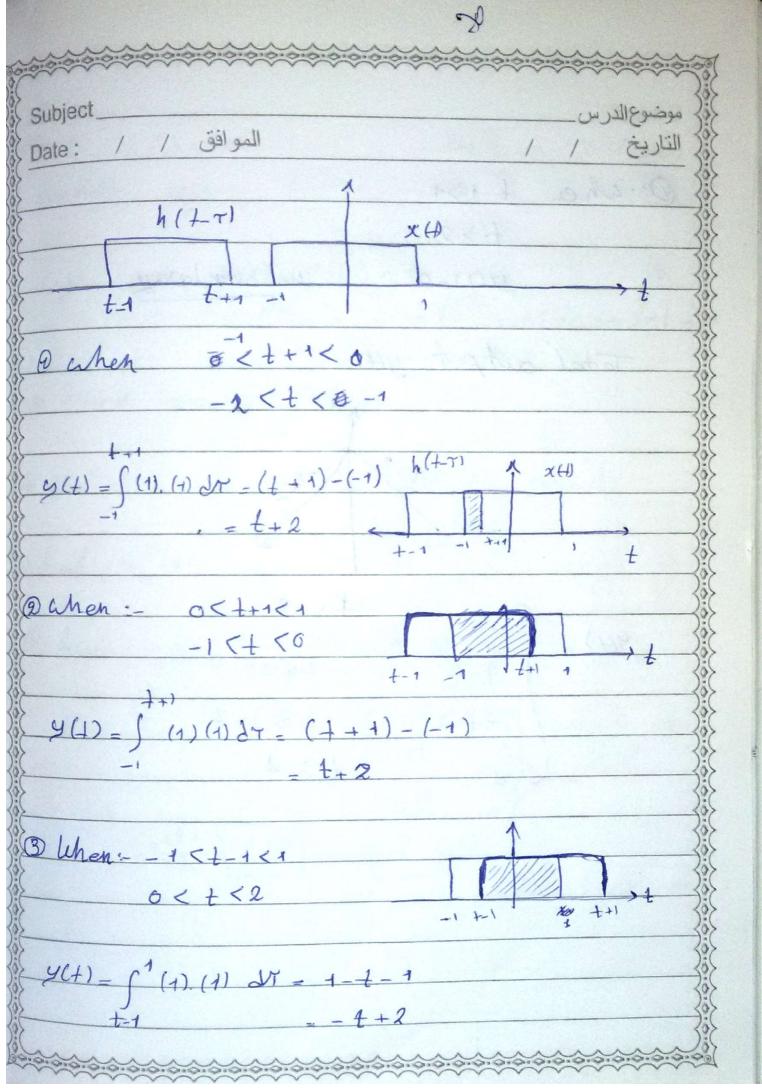
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		{ موضوع الدر س
Subject	10 102	( التاريخ / /
Date: / / الموافق / /		1
* Power form expone	ntial t	58-
	16	
Power = 101 + 2 =	1Dn1	•
n.	=1	}
Given		}
Olven	THE INC.	
Dn = 0.31 46		X-A
0.2+JM		4-1
0 . 4.		D 1.
* Find the overage	Dower of	- this
series.		
	Miss. Y	
Solution		
The American	5,00	C TA S
101 - 0-314	6	- (1 21)
Jo 22+		
DC .	N	
Power = D2 + 2D2 + 2D2	1 2	2 2 2
Power = D. + 2D, +2D2	+ 2D3+	204
	1	July 1
DC 2(0.085)2	335) +2(0	17) + (0.113) +
DC 2 (0.085)2		
المعراث		
70		
\$-\$-\$-\$-\$-\$-\$-\$-\$-\$-\$-\$-\$-\$-\$-\$-\$-\$-\$-\$-	\$1\$1\$1\$1\$1\$	0,0,0,0,0,0,0,0



Subject موضوع الدرس TELES / ALORD Date: / / | * Dy(H) + 3 Dy(H) + 2y(H) = 1) x(H) When y(0)=0 y'(0)=-5  $(D^2 + 30 + 2)9(4) = 0$  Z-I12+31+2=0  $(\lambda_1 + 1)(\lambda_2 + 2) = 0$  =>  $[\lambda_1 = -1]$   $[\lambda_2 = -2]$ 4.(+)= Cie + Coe 00 y(0)=0 => 0 = C1 + C2 => C1 =- C25 -9 = -C1 - 2C2  $-5 = C_2 - 2C_2$ - S = - C2 = 7 (2-5) (C1=-5 y.(+)=-Se+Se >≠

	******	مرابع الدرس_	3
Subject	1	اریخ /	
Date.	en a dates 1	as You	- 30
* Dy(+) + 6 Dy(+) + 9y1	(4) = 310x6	1) +5x	(4)
Men $y(0) = 3$ y'(0) = -7	1	Filosop Ze	3
y'(0) = -7			3
لم	31	4	3
			3
$\lambda^2 + 6\lambda + 9 = 0$			3
$(\lambda + 3)(\lambda + 3) = 0$ $\lambda_1 = -3$	$\lambda_2 = -3$	2	3
			3
y(+)- Cie + Czte	(1/00	- 14 to	.}
70000	(m)		3
3 C		A A VA	3
			3
-7=-3C1e-3+ -3C2+e	-3+	3-1	Ź
= - (1+ - 2(2))	4 (20		1
П 30 0			Z
$-4 = -3C_1 + C_2$			3
-7=-3(3) + C2	C2= 2		3
2+	3+ 1.		
y. (+)=Be-3+2te	#	8-414	
	6.43		

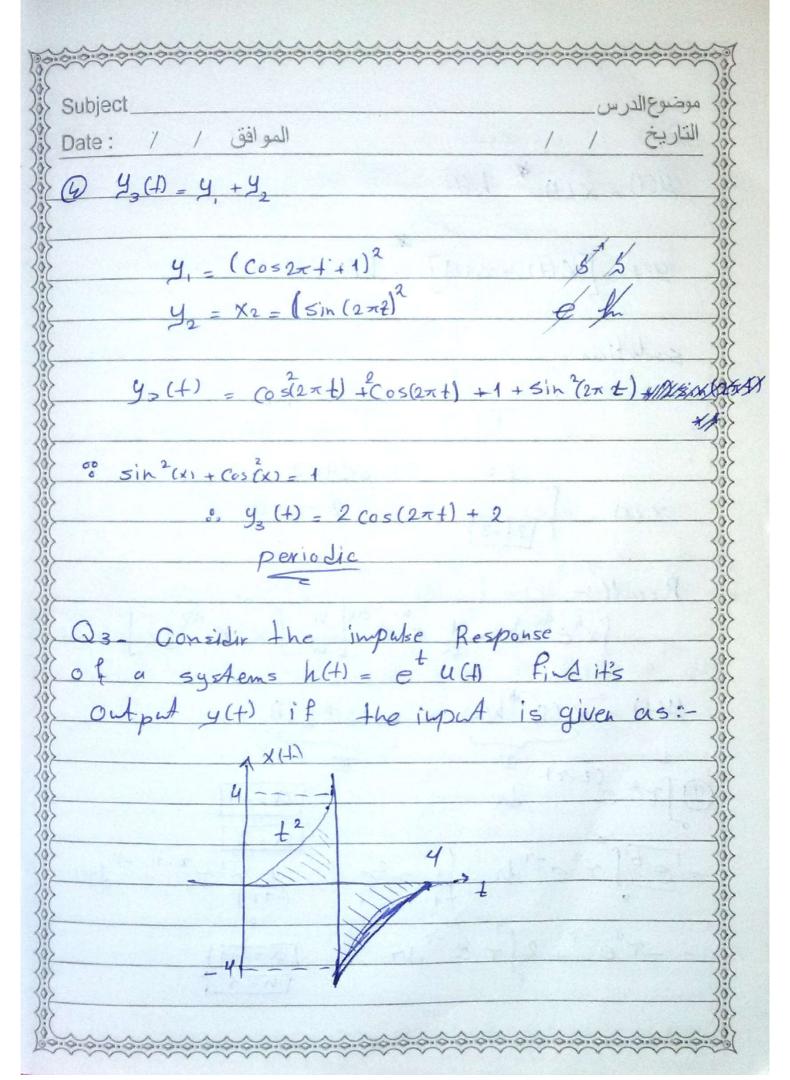


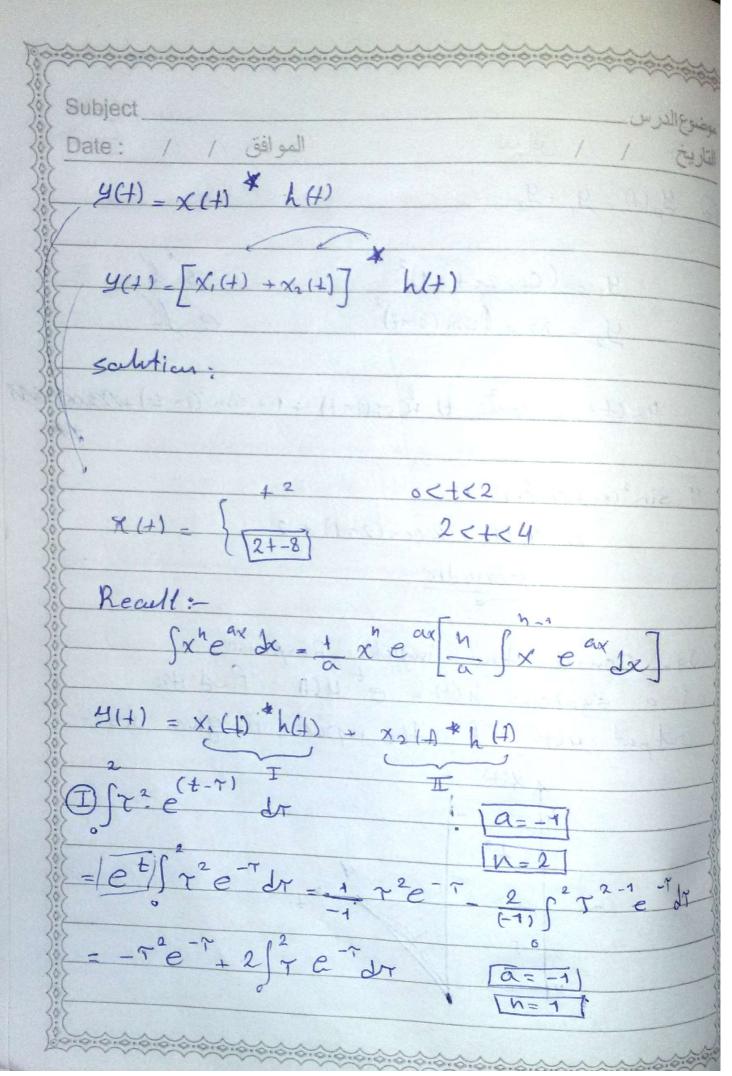


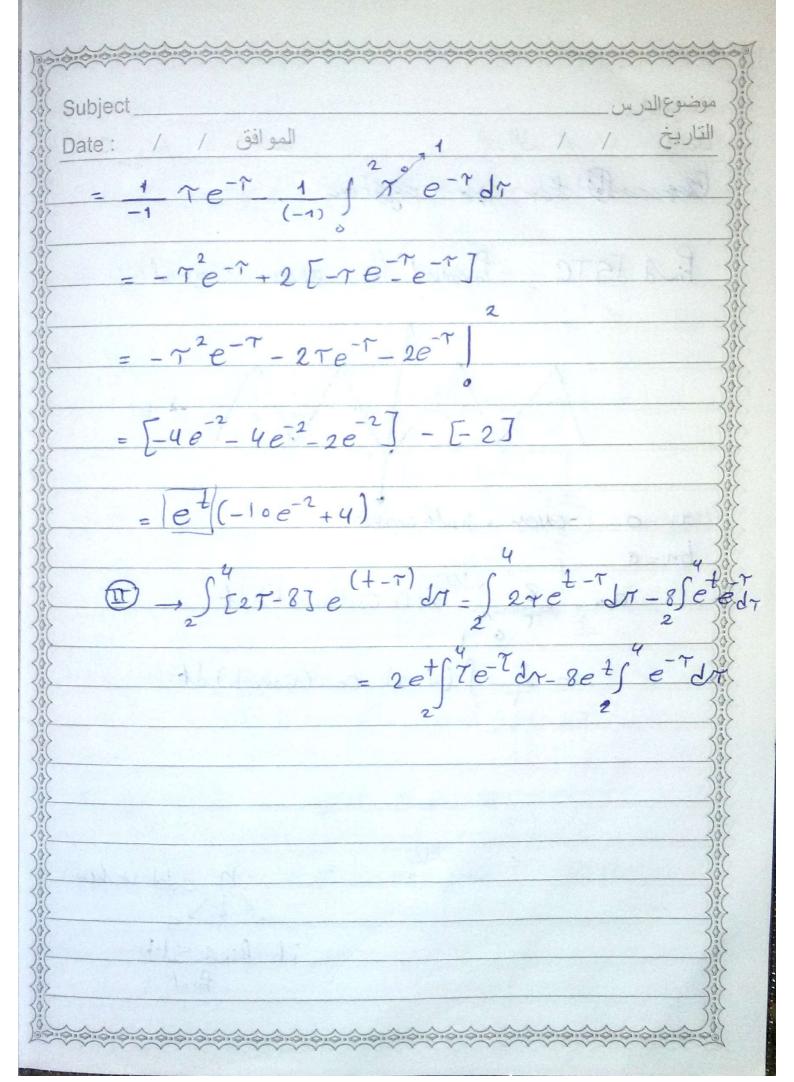
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>	L-1>1		1 1
e when	t>2"	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	
		1 - var la	oli e
	y(4)=0	ho overla	ong
Tabal	aut put yt	(1. > + + + + +	Algorithm (
10.121	arps ga	A y(+)	- KKDN
		1	
(4)	+ 2	`\x_2	m)
		12	
	-2	2	
	( )	+<-2	
yH) =			
	1+2	-2 <t20< td=""><td></td></t20<>	
	1-++2	0 < +22	110
		t>2	
	1	X X X X X	V
4		1.50	28
		EF TO TO T	17 1

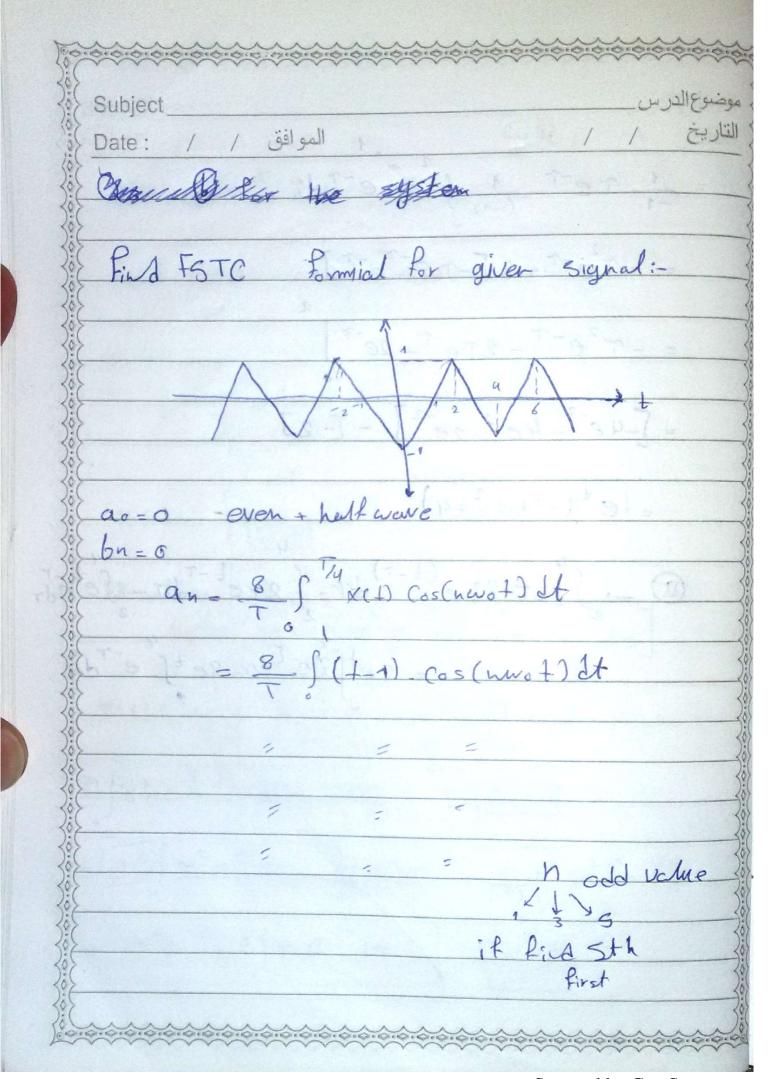
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Subject_	نف ١ /	المو ال		1 1	التاريخ
Date:	0 2013			salet	
test	Q 2013				
	Given	x(+) = Co	sant		· 0
02	<u> </u>	X1(+)-1:	sin 2 Tt	2, where	c Sin 2xt q
		1110.6	11	ni?	
0 04	ink linea	rity of s	(4)		
(V )		Elxura:	Low	K (x,ci	
D is	Sz(t) Zi	70 ? is i	+ BIBO	2 prov	re it
) find	·5-1(+)	1 X = 1 7 - 15 0	2000	100 -	
		512	V 5010		
@ fin	A 43(1)	Pisi	t periodi		
		<del>\(\frac{1}{2}\)</del>	2	, (+)	
			31(X+1)	+	93 H)
		/ 112	5-1(1)	(E)	→ 3 (r)
	X2(+)	524)	I D	+ (	
	^2 <u></u>	la (x)		Yes	

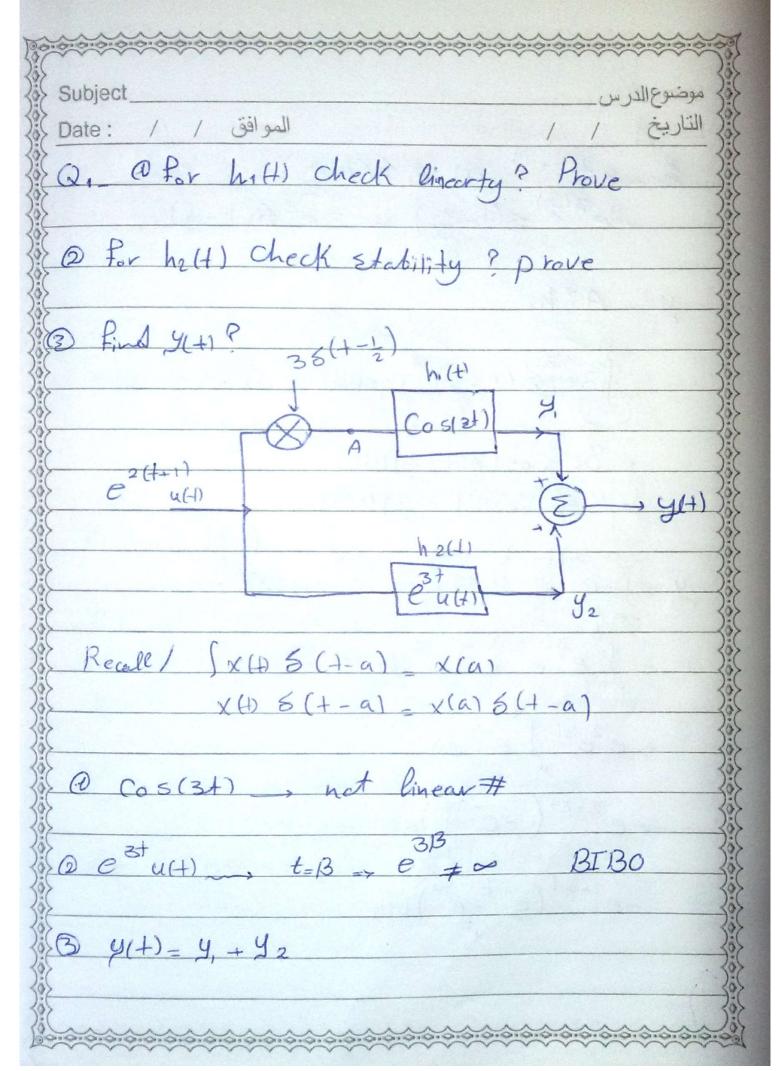
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Date	. /	افق /	المو		T. C. C.	/	/ خ	ار
	4	aletic	n:-		510	Š.	B. You	1
{								
a	X1(+)	) ~~	y = ho	X1(4)]	4	May L		
{	X2(+	1	, y = Pm	(X24))				
	X31	- (t)	- 43= h	-(X3(+))				
	XI + XI		(F)	X1 + X2	14. 5.550		Charle	
o o	£	(X14)	+ h (x2(+	1 + R/x, 1	+) + X2(	4)		
0	4 500	ho	mlinear	#	7776	(-)	( ) »;	
000								
(D)	艺艺。	منته	نعن ٥	مندحكن	X2) J	35	sille	
•		N	ot Zizo	کایتہ ٥	ele			
		9	hu hu	0 = 00	8	- 0	4.6	
	0-0	14.	N. L	7				
(2)	BIBO	0						
		h	, (13)= 00	where /	3=0			
		7-	But	13 w/1 h	ever be	70	evo .	
	-1	X	1	(£x)	1	1.1.1		
(3)	S2 (H) =	0						_
>								
<b>X</b>		<u> </u>						

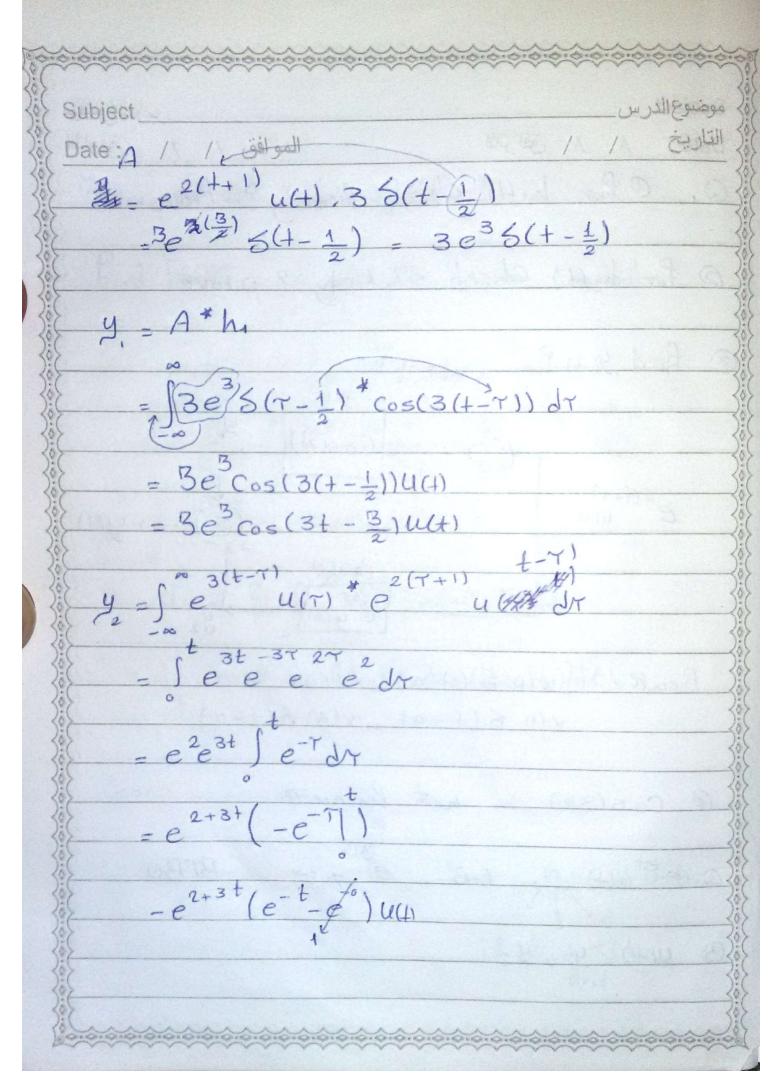




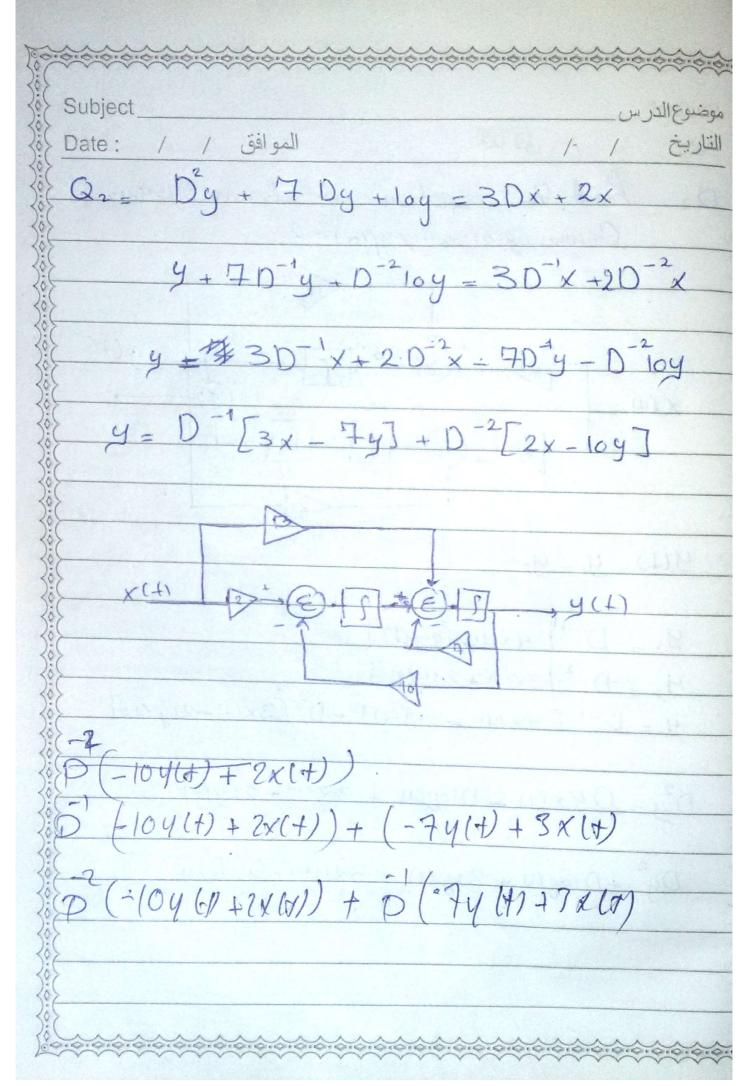


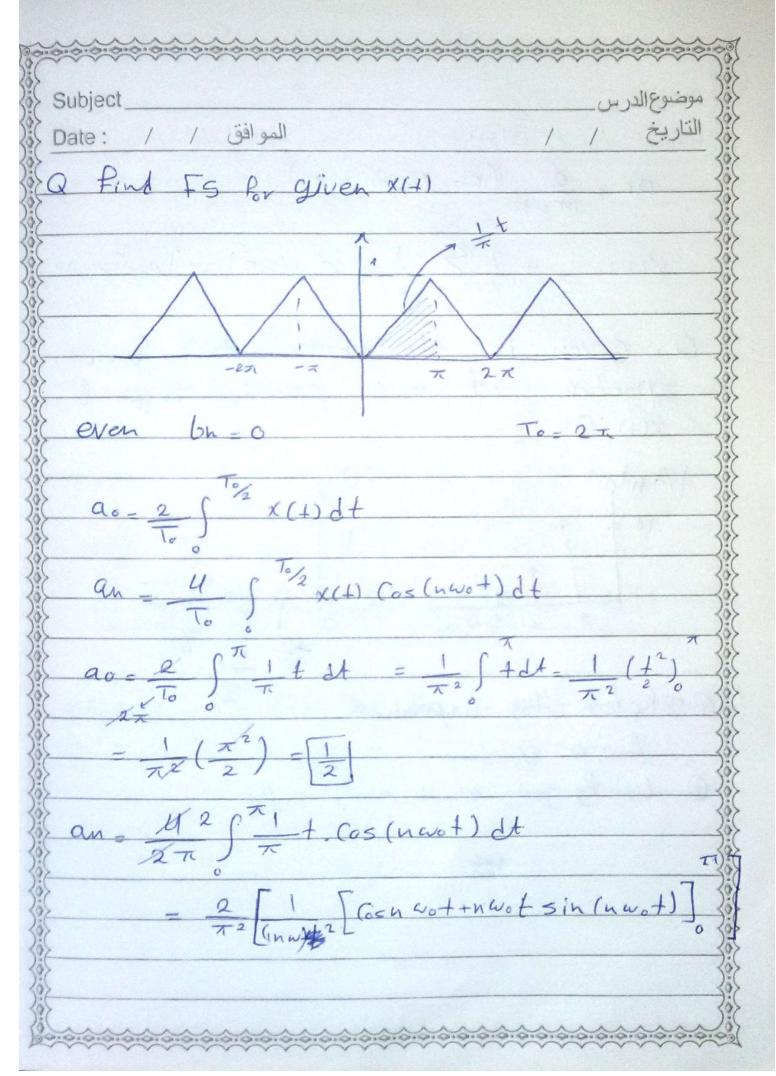






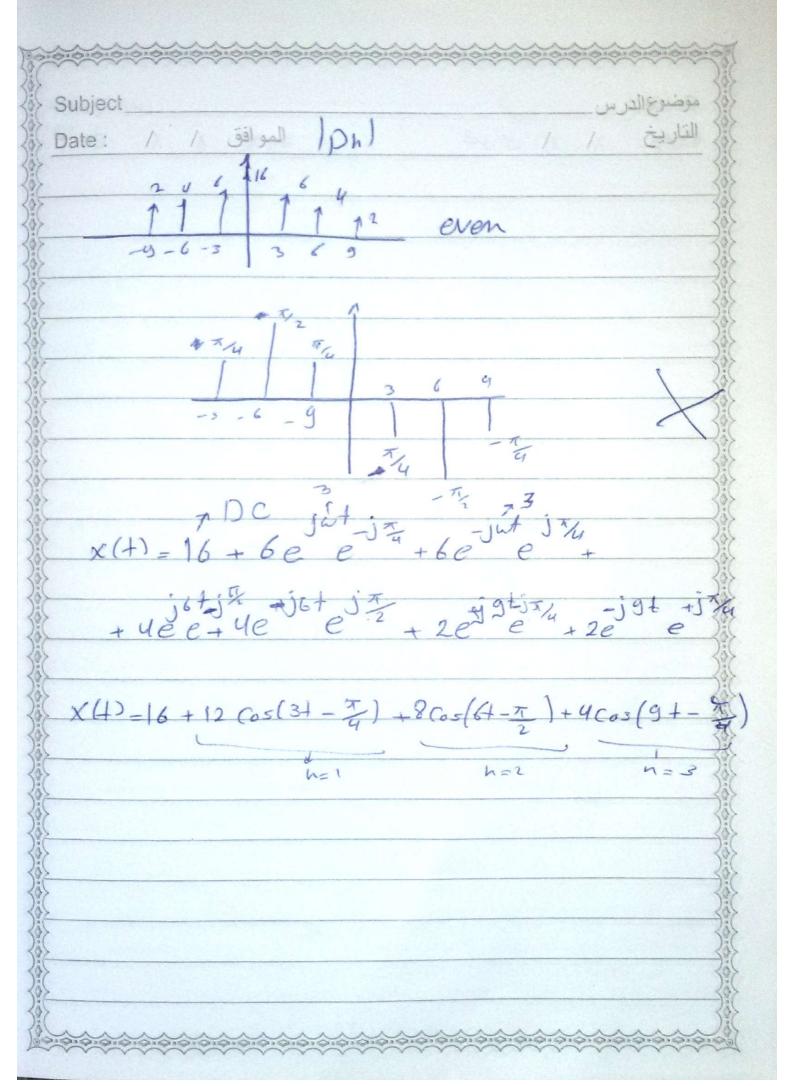
Subject		موضوع الدرس
المو افق / / Date:	/	التاريخ /
22 Find Z-I solution +		system
Given 9(0) =0 / flo	)= 2	
	10	
to Dying	9,	y (+
X(+) D ² 3(+)	1	)
3 (2)		1 . 10
1	21	
U(I) II . II	7	1
y(+) - y, + y2		11.94
4. D-1[4x(1)=10y(1)]		
42 = D-2 [3x(1) = 21y(1)]	-3.5	
y = D-1 [4x(+) = loy(+)]	+ D (3×(4).	-21y(1)]
$D_y^2 = D_{4x(1)} - D_{10y(1)} +$	3×(4)+214	(4)
14-10x 14	- (4-128 + )	MUDIA C
Dy + Dioy(4) + 21y(+) = 3	3×41 + Dy6	J#1
W. XV+ VA VI 1 C C		D VOIT A C
***************************************		
2) \$2 \$4 \$4 \$4 \$4 \$4 \$4 \$4 \$4 \$4 \$4 \$4 \$4 \$4	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$	11 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1



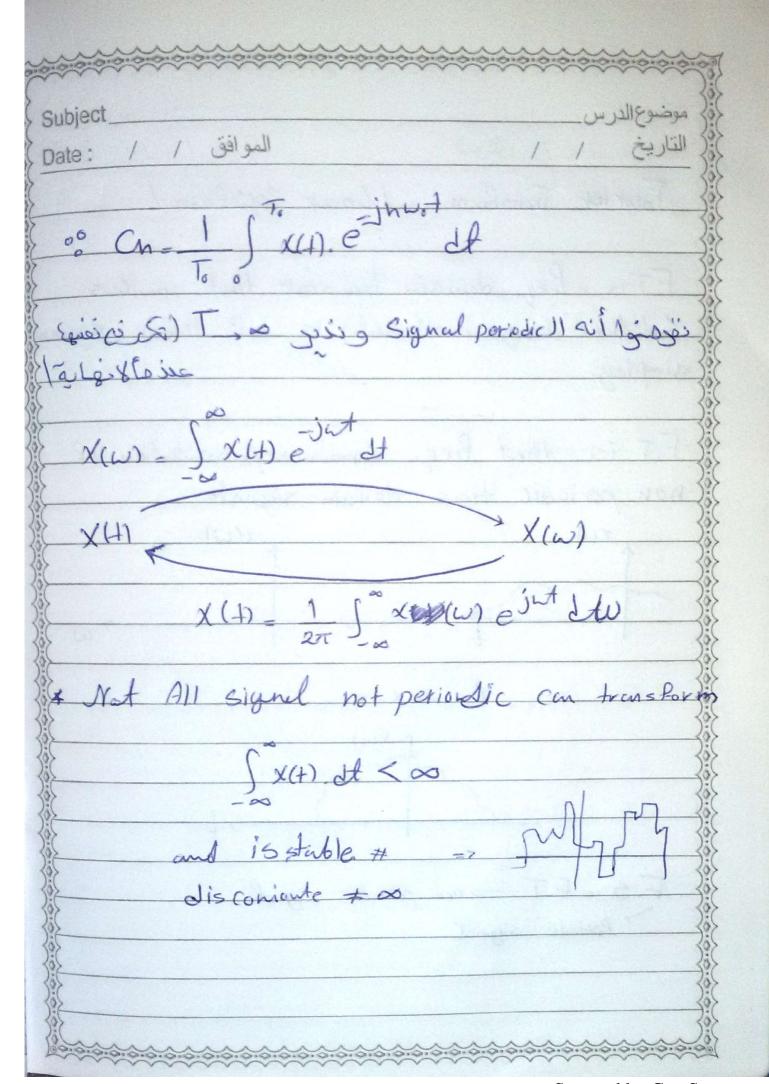


	وضوع الدرس عدد	
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36.6.6.6	$\frac{(\pi_{1})^{2}}{\chi(1) = \frac{1}{2} + \frac{2}{\pi^{2}} \frac{1}{h^{2}} \left[ \cos(\mu \pi) - 1 \right] \cos^{2}(\mu \pi)}{h^{2}}$	
35	Given is the trigonomitric Farrier	
30/2	spection of some periodec Signal XXXI ?	
₹,	Anlp On	
	16 1 12 1 3 6 9 12	
	3 6 9 12 6	
0 <	sketch the expanisal	
	Lority your result anlytically	
302	X	
30		
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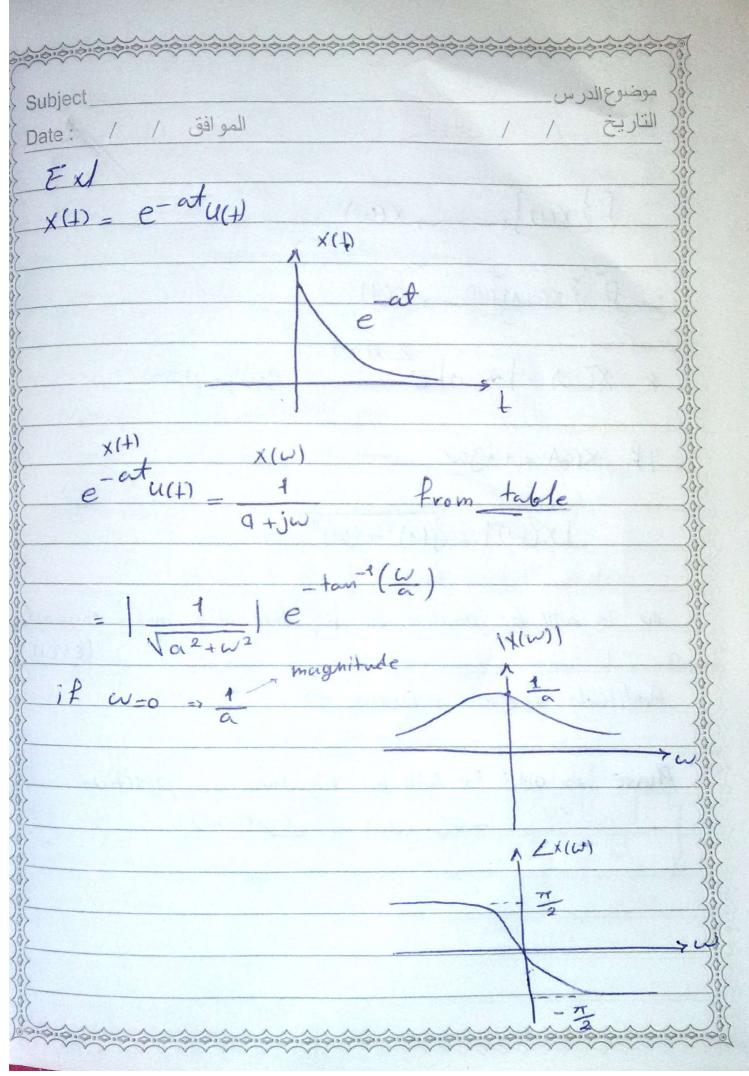
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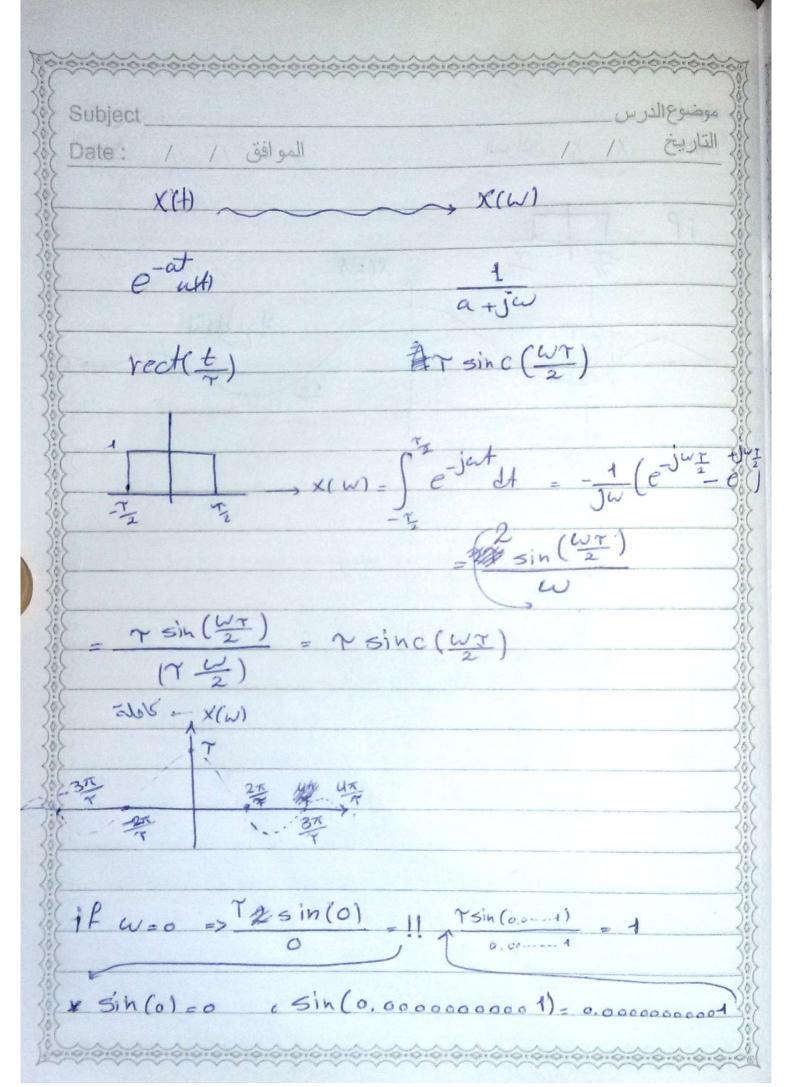


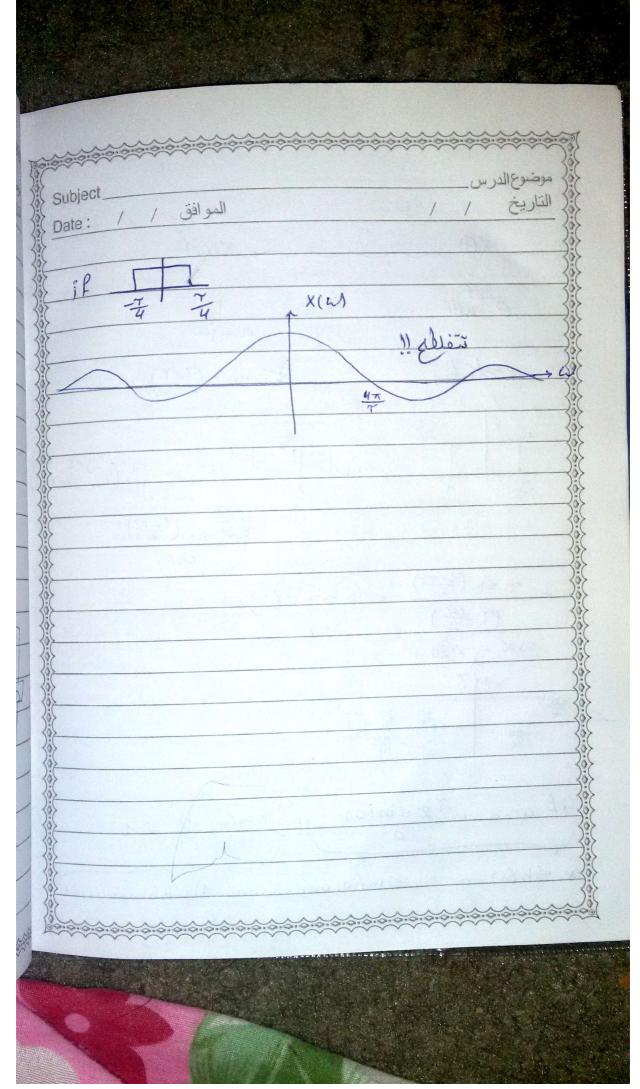
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F.T is a frey, domain transfer Solution: design and analysis	of linear System
Simpley.	
F.T is that freq. domain	representation of
non periodic time domain s	ignals.
X(4)	TX(W)
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F.S = F.T > non poriodic significant	ghel
Periodic signal	



Subject				ضوع الدرس_
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